

LIVRARIA CATILINA

TYPOGRAPHIA

ENCADERNAÇÃO

21. - Rua Cons. Dantas, - 21



CATILINA & C.

21—RUA CONSELHEIRO DANTAS,—21

BATIA

N. 364

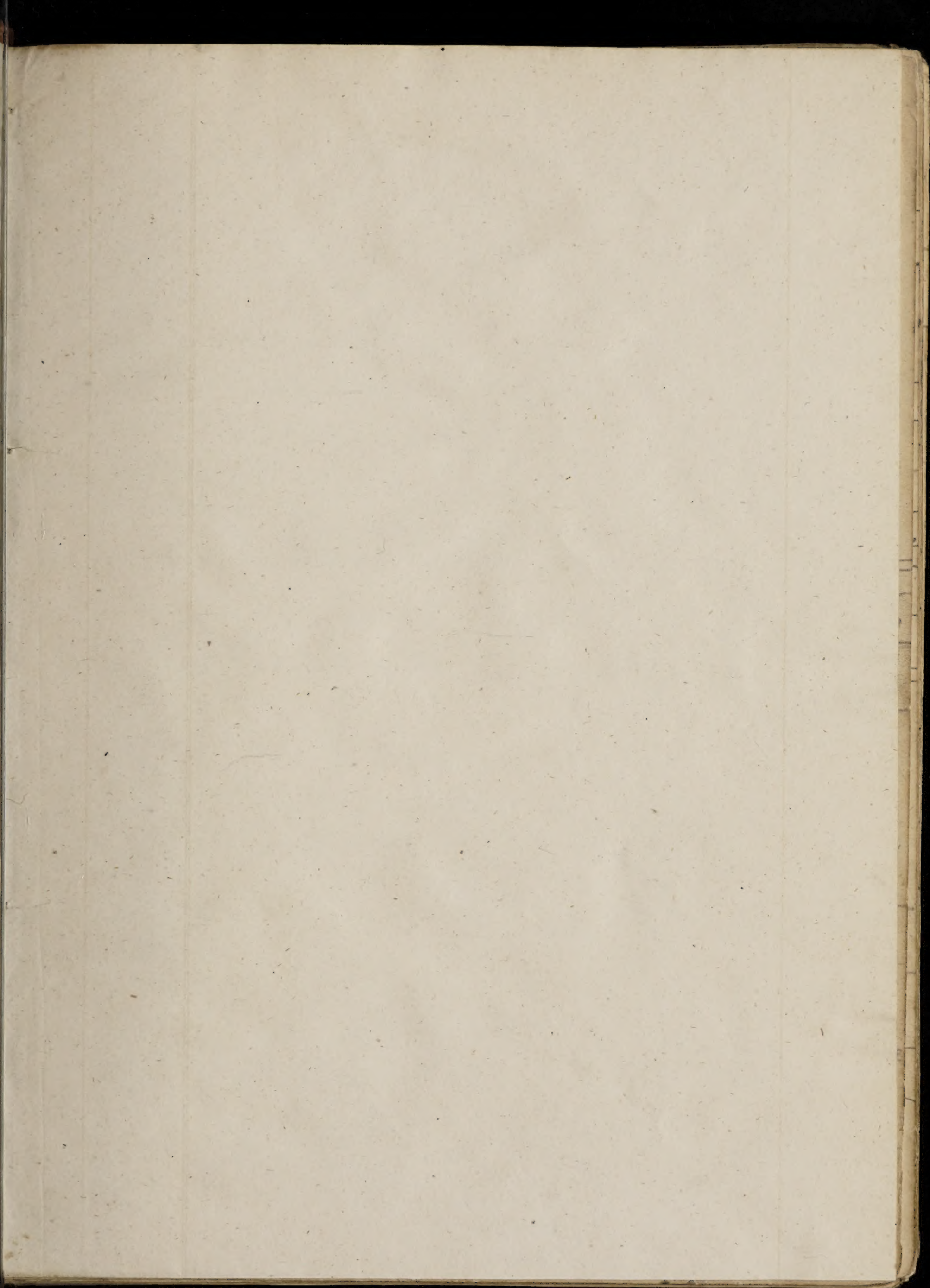
Indicar este numero para ter um  
livro igual. *Leirramento*

*Jan 14/10/900*  
*Pinheiro ao Luminoso*  
*500x000 em Messors' 150x000*

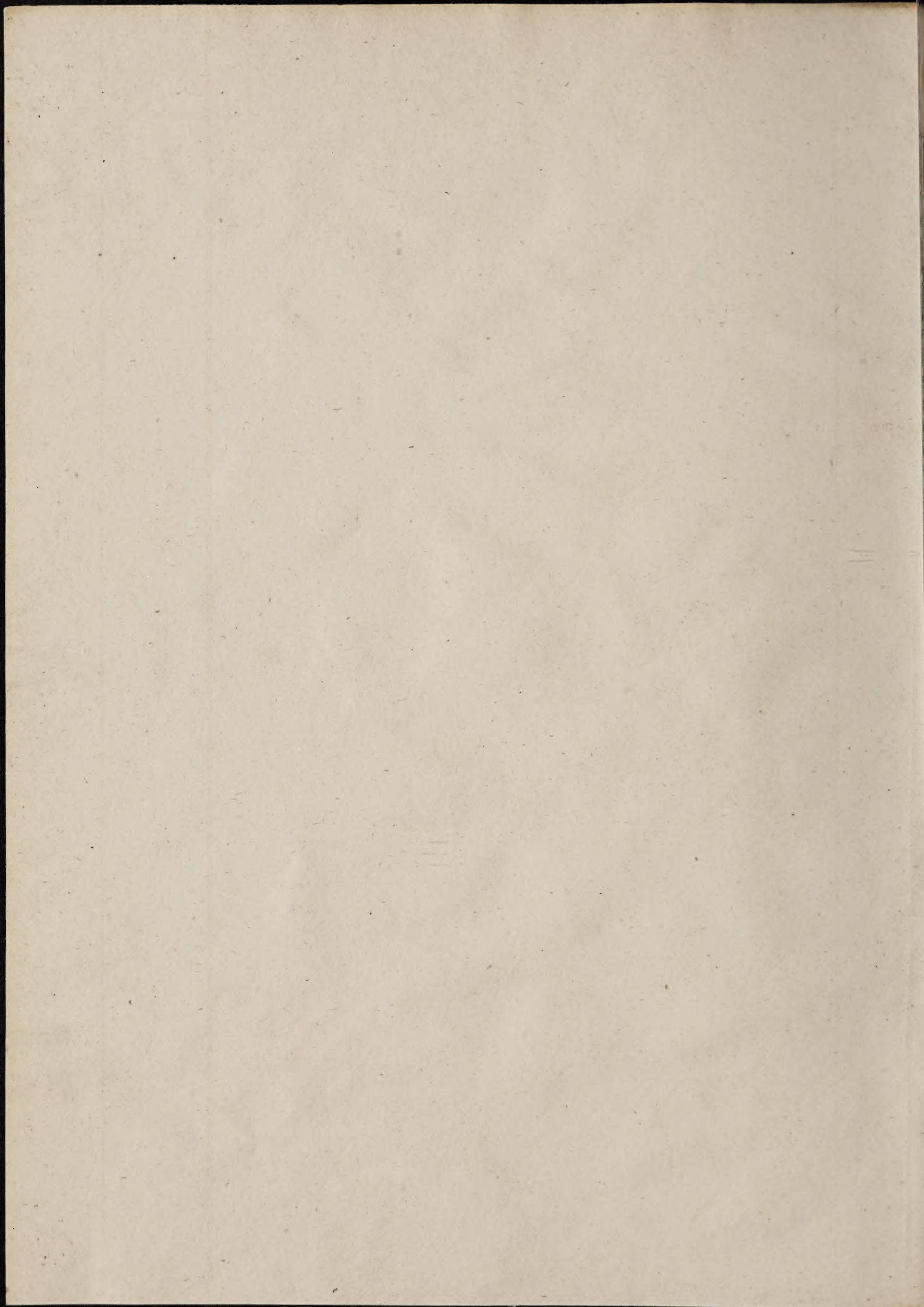
*Whaling Log. Book*  
*\$15.00 King Bell*  
*Schooner Carleton*  
*Captain's Journal*  
*Joseph H. Senna, Master*  
*Identified by cross-checking*  
*with logbook of this vessel*

*Wh*  
*C281*  
*1913J*











1913

January = 3<sup>rd</sup> at 8<sup>h</sup> 19 = A.M.  
 = Same Name =

11.28.15 Alt = 43.08 Db = 22.5-3 Lat 33.00

149.48

33.01

14.47

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0

coming 48:42 = W

NE Wind

106.0

67.6

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L-0, 0 X 00 = - 0, 0

D+2, 0 X 53 = + 106, 0

A-4, 8 X 8 = - 38, 4

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h m s  
3.28.17

+ 1.07

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January 3, at 3.37 P.M. 89.48  
 36.47 = alt 41.17 Db = 22.5-0 Lat 33.00 79.29  
 1.5- 10.79  
 35.32 22.53  
 21.33 33.12

35.32

21.33

58.05

42.46

15.19

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L+0, 1 X 00 = + 10, 1

D+2, 0 X 5-0 = + 100, 0

A-4, 8 X 17 = - 81, 6

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3.37.5-0  
 + 18

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22.57.41  
 1.38

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Light NE Wind  
 Clear Atmosphere  
 Alice Knowles went out light  
 to South West

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116.7 (14)  
 81.24 (98.6)  
 38.1

4.29.93  
 8.12

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1913

January 4, at 3:58 PM

7.01.23  
15-

Lat 36° 15' - Lg 22° 44' Lat 33° 04'

8948  
7925  
1023  
2246

7.01.08  
21.37

$20 + 0.4 \times 4 = + 1.6$

3309

7.22.45  
4.07.11

$20 + 2.1 \times 44 = + 92.4$

$4 - 4.8 \times 15 = - 72.0$

4.01.43  
+ 22

3.15.34

94.0

22.0

4.02.06  
5.00.06

4.07.11

Long 48° 33' West -

Fresh breezes from NE and clear atmosphere

Steward die at 7.30 PM

January 5, at 8:33 AM

11.31.00  
21.41

Lat 43° 31' - Lg 22° 40' Lat 32° 50'

11.52.41  
8.38.11

$20 + 0.1 \times 50 = + 5.0$

3.28.13  
- 1.03

1128  
4  
174  
68

3.14.30

$20 + 1.9 \times 40 = + 96.0$

3.27.10

451.2

Long 48° 37'

$4 - 4.7 \times 31 = - 145.7$

12.00.00

22° 39' 18"

82.0

8.32.50  
5.21

1.08  
2240.26

4.30.37  
63.7

8.38.17

825.24.91  
4.51

Fresh SW wind  
Clear weather

48.37

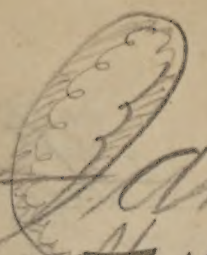
85.20.40

*[Signature]*



1913

3



January 5, at 3.38 P.M. 89.48  
 Lat 37.54 alt 41.05 - Dec 22.37 Lat 32.44 79.37

6.37.39  
 21.41  
 6.59.20  
 3.44.06  
 3.15.14  
 48.48

$L + 0.2 \times 44 = + 8.8$   
 $D + 1.9 \times 37 = + 70.3$   
 $A - 4.7 \times 3 = - 23.5$   
 West -

10.71  
 32.40  
 32.51  
 32.43  
 22.39.18  
 1.59  
 22.37.19

337.40  
 4 + 5.5-  
 338.35-  
 + 5.37  
 344.06  
 5.24.91  
 7.89  
 5.31.80  
 119.60  
 05.91  
 1128  
 7896  
 11

Fresh breeze from  
 SW - and clear weather  
 Sailing Merchant Bark bound S. Lima

Lat 12.14.22 on 2 at 9.11 AM  
 18- alt 52.16 - Dec 22.35 - Lat 32.45

12.14.07  
 21.45-  
 12.35.52  
 9.20.34  
 3.15.18

$L + 0.5 \times 45 = - 22.5$   
 $D + 1.9 \times 35 = + 66.5$   
 $A - 4.7 \times 16 = - 75.2$

Lat 12.14.22 on 2  
 2.45.44  
 - 31  
 2.45.13  
 9.20.34  
 9.14.47  
 5.44.7  
 9.20.34

Time 48.49 W 48.49



1913

h m s January = 62 at  
5-47-50 alt 57.25

79.48  
79.37

21-45-

32-47 x 075-346

5-09-35-

67-29 x 034437

2-55-08

15-7-42 9388210

3-74-28

75-5-7 2616338

2,49-09

5-11-8

24-2579114331

2-55-08

Long 48:37 West-

Fresh breezes from  
SWest clear atmosphere

"F. Fowner" 48.35-

game with Senna  
"F. Fowner"

January 7 at 4.17

h m s  
7-11-00 alt 33.13

56-22,23 = 50 alt 32:27

79 45-12

79.57

90.00

10-03

22-26

32-29

432.49

Lo + 0, 6 x 27 = + 16, 2

427-58

Lo + 2, 0 x 23 = + 46, 0

370-51

A - 4, 8 x 13 = - 62, 4

Long 47:43 West

45-30  
42-13  
47-43

62, 2 4-16-32

+ 6-26

4-21-58

Moderate SW wind  
(clear weather, "F. Fowner" in sight)  
Senna



(U.T.B.)

5

January 8 = at 8:47 A.M. <sup>20</sup>/<sub>4</sub>  
alt 46° 43' Db = 22° 20' Lat 32° 20' <sup>80</sup>/<sub>0</sub>

11° 43' 20"  
15-

11° 43' 05"  
21° 53'

12° 04' 58"  
8° 55' 23'

3° 09' 35'

L-0, 1 X 20 = - 2, 0

D+1, 9 X 20 = + 38, 0

A-4, 7 X 43 = - 202, 1

204, 1

45° 15' 28' 166' 166'  
046' 2

47° 23'

22° 17' 27"

1.00

22° 18' 27"

14 20

22 19 41

3° 14' 04"

- 2° 46'

3° 11' 07.8"

12° 00' 00"

8° 48' 42"

6° 41'

8° 55' 23'

Long 47° 23' W

Saw school of small  
whale didn't get any  
4 F. Towne got one

January 8 = at 4:06 P.M.  
alt 34° 43' Db = 22° 15' Lat 32° 20'

7° 01' 35"  
21° 53'

12° 3' 28"  
2° 14' 56'

1° 08' 32"

L+0, 5 X 26 = + 13, 0

D+2, 0 X 16 = + 30, 0

A-4, 8 X 43 = - 206, 4

43, 0

163, 4

043' 60'  
2

4° 10' 47"

- 2° 43'

4° 08' 04"

4° 08' 52"

4° 14' 56"

Long 47° 08' W

Light SW = wind clear weather  
Senna



January 9 = at 3.34 P.M.  
 Chron 29.00 alt 41.12 Dec = 22.07 Lat 31.52 = 89.48  
 21.57 79.56

6.50.57 L + 0, 2 X 52 = + 10.4  
 3.44.10 D + 1, 8 X 7 = + 12.6  
 3.06.47 A - 4, 7 X 12 = - 56.4  
 46.41 23.0 33.4 = 3.37.26  
 1 11 33 33



Moderate SW Wind clear  
 Weather Saw large Whale  
 General

January 10 = at 4.02 89.48  
 Chron 57.35 alt 35.08 Dec = 21.58 Lat 32.10 = 9.53  
 15- 22.01 79.55-  
 6.57.20 7.19.21 22.01 37.54  
 4.13.07 3.06.14 32.10 32.10

6.57.20 L + 0, 4 X 40 = + 4.0  
 22.01 D + 2, 0 X 58 = + 116.0  
 7.19.21 A - 4, 7 X 8 = - 37.6  
 4.13.07 120.0 82.4 4.04.40 3  
 3.06.14 22.6 1 4.05.25 7.42  
 46.33 45-30 1 3 4.04.40 3  
 46.33 4.05.25 7.42

Slight Westerly Wind  
 Clear  
 Saw Ship bound to S West  
 General

4.13.07 1023 15.46  
 7.16 0342  
 22.80 32  
 2.34  
 21.57.45.8



$L$  on January 11 = at 8.19 AM  
 $11.13.34$  Alt  $40.20$   $LC = 21.54$  Lat  $32.25$   
 $15-$

$11.13.79$   
 $22.06-$   
 $11.35.24$   
 $8.27.13$   
 $3.08.17$

$LC + 0.1 \times 25 = + 2.5-$   
 $LC + 2.0 \times 6.4 = + 108.0$   
 $LC - 4.7 \times 20 = - 94.0$   
 $110.5-$   
 $016.5-$

$21.49$   
 $90.11$   
 $68.11$

$3.40.26$   
 $+ 10$

Long  $47.03$  West  
 Fresh NE Wind  
 "J. Tower" in sight

$3.40.42$   
 $2.00.00$   
 $8.79.18$   
 $7.55-$   
 $8.27.13$

$L$  on 2 January 11 = at 3.59 PM.  $89.48$   
 $6.3-4.40$  Alt  $33.40$   $LC = 21.49$  Lat  $32.12$   $79.36$   
 $15-$

$6.5-4.25$   
 $22.05-$   
 $7.70.30$   
 $4.70.48$   
 $0.5-46$

$LC + 0.4 \times 12 = + 4.8$   
 $LC + 2.0 \times 49 = + 98.0$   
 $LC - 4.7 \times 40 = - 188.0$   
 $102.8$   
 $085.2$   
 $25.60$

$10.13$   
 $21.53$   
 $33.048$

$4.04.03$   
 $1.25-$

$46.26$  W  
 Fresh NW Wind

$4.02.38$   
 $8.06$   
 $4.10.44$



1913

\* Summary \* 12 = at 4:03 PM  
 6458.23 - alt 35:27 Dec 21:39 = alt 32:45 89.48

6458.23  
 22.09

Set 0, 4 x 45 = + 18,0

79.01  
 10.47  
 21.43

720.19

Set 2, 0 x 39 = + 75,0

32.30

442.01

Set 4, 7 x 27 = - 186,9

96,0  
 30,9

4<sup>h</sup> 04<sup>m</sup> 03<sup>s</sup>  
 - 30

308.18

47.04 = 112

Strong SE wind clear  
 weather  
 Luna

4.03.39  
 - 8.28  
 4.12.01

Summary 13 at 3:52 78.48  
 6458.23 alt 35:33 Dec 21:29 alt 32:34 11.03  
 21.31

644.53  
 22.13

Set 0, 20 x 34 = + 68

32.34

707.08

Set 2, 0 x 29 = + 58,0

3.49.5-2  
 1.30

3.67.14

Set 4, 7 x 33 = - 231,1

45-11  
 2-13  
 47.25  
 64,8  
 90,3  
 30,0

3.48.22  
 8.5-2

3.09.54

47.28

Lowest value all day  
 Delivered 5.11.13 in sight  
 Luna



1913

9

January 14 = at 3.30 PM 89.48  
 Lat 28.35 - Alt 42.29 - Ab = 21.18 - 32.46 = 78.23  
 18 - 11.25  
 31.20  
 321.45

64 28.20 - 0.00 x 46 = + 4.6  
 22.17  
 6.50.57 x 2 + 2.0 x 18 = + 36.0  
 3.39.26 x 4 - 4.7 x 19 = - 89.3  
 3.79.11  
 46-48 = 40.6  
 2 2 48.7  
 47.47

Long 47:47 W

Dead calm all day  
 Schooner in sight

3.31.00  
 - 48

3.39.14

3.39.26

91.4  
 6.23  
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 3.35.54  
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 3.32.



January = 16 = at 4.25 PM  
 Lat 32° 47' Long 20° 56' Lat 32° 37' 89.48  
 78.02

7.17.06  
 22.25-  
 7.39.37  
 4.24.41  
 3.14.50

So + 0.4 x 37 = + 14.8  
 + 2.1 x 5.5 = + 11.55  
 - 4.7 x 4.7 = - 22.09

11.46  
 20.59  
 32.45  
 - 8  
 32.37

Long 48° 42' W

137.8 4.16.13 =  
 89.1 - 1.29  
 29.6  
 4.14.44  
 + 9.57  
 4.24.41

Moderate wind  
 from NE - clear  
 ((= No cutting whale =))  
 Senna

January 19 = at 8.45 AM  
 Lat 44° 27' Long 20° 25' Lat 33.27 89.48  
 78.00

11.47.26  
 22.37  
 12.10.03  
 8.52.54  
 4.17.09  
 4.9.17 W

So - 0.3 x 27 = - 8.1  
 + 2.1 x 2.5 = + 5.25  
 - 4.8 x 2.7 = - 12.96

11.48  
 20.47  
 32.35

46-15-137.7  
 4 2 085.2  
 25.60

3.19.19  
 - 1.25

89.48  
 75.44  
 73.04  
 20.23  
 33.27

4.9.17  
 3.17.54  
 14.00  
 8.42.06  
 10.48  
 8.5-2.54

Senna



1913.

Jan 19 at 3.48 P.M.  
 6.49.45 - alt 38.32 Db=20.21 = Lat 33.34 =

6.49.30  
 22.37  
 7.12.07  
 3.57.07  
 7.15.06

L=0.0 x 24 = 2.4  
 D+2.1 x 21 = + 44.1  
 A-4.8 x 32 = -153.6

Long 48.46 West

Very light wind from N  
 with rain

155.0  
 111.9  
 05-1.60

3.47.57  
 - 1.5-1  
 3.46.06  
 1.5-1  
 3.57.01

Jan

Jan 20 at 4.20 P.M. 89.48  
 7.20.38 alt 31.35 Db=20.08 Lat 33.14 76.37

7.24.06 - alt 30.5-2 Db=20.08 = L 33.14 = 33.27

7.23.50  
 22.41

7.46.37  
 4.33.37

7.12.54

48.13 W

Slight NW Wind  
 x Clear atmosphere x

L+0.4 x 14 = + 5.6  
 D+2.2 x 8 = + 17.6  
 A-4.8 x 52 = -249.6  
 23.2

226.4  
 046.60  
 3

41-13.30  
 3  
 44-13.30

4.25.10  
 3.46  
 4.22.24  
 11.15  
 4.33.37

90.00  
 20.08  
 69.92

Summa



January 21<sup>st</sup> at 4<sup>h</sup> 04<sup>m</sup> PM, 89.48  
 7<sup>h</sup> 06<sup>m</sup> 00<sup>s</sup> alt 35.11.54.54 Lat 32.18 77.22  
 15-

7<sup>h</sup> 04<sup>m</sup> 45<sup>s</sup> 22.45-  
 7.27.30  
 4.12.30  
 3.15-00

$\times L + 0.1 \times 18 = + 1.8$   
 $\times D + 2.1 \times 54 = + 113.4$   
 $\times Ab - 4.7 \times 11 = - 51.7$

120.26  
 19.57  
 32.23  
 3.59.57  
 + 1.03

Long 48.48 West

115.2  
 63.5  
 03.40  
 4.01.00  
 11.30  
 4.12.30

Strong SW Wind  
 Clear Weather  
 Breeze

January 23<sup>rd</sup> at 4<sup>h</sup> 16<sup>m</sup> 89.48  
 77.10

7<sup>h</sup> 17<sup>m</sup> 42<sup>s</sup> alt 32.33 Dec 19.24.03 Lat 32.18 12.38  
 15- 19.44

7<sup>h</sup> 17<sup>m</sup> 27<sup>s</sup> 22.53  
 7.40.20  
 4.24.34  
 3.15.44

$\times L + 0.3 \times 18 + 5.4$   
 $\times D + 2.1 \times 27 + 55.7$   
 $\times Ab - 4.7 \times 33 + 55.1$

4.14.07  
 - 1.33  
 4.12.34  
 12.02  
 4.24.36  
 89.48  
 77.02  
 12.46  
 19.30  
 32.16

Long 48.56

45-46-  
 3 11 093.0  
 48.56  
 33.2



$6^{\circ} 45' 40''$   
 $75-$   
 $22^{\circ} 57'$   
 $408^{\circ} 22'$   
 $3^{\circ} 55' 18''$   
 $13^{\circ} 04'$   
Long  $48^{\circ} 16'$

$3^{\circ} 45'$   
 $89^{\circ} 48'$   
 $19^{\circ} 47'$   
 $13^{\circ} 26'$   
 $75^{\circ} 46'$   
 $13^{\circ} 02'$   
 $19^{\circ} 16'$   
 $32^{\circ} 18'$

$L-0, 0 \times 26 = - 2, 6$   
 $S+2, 1 \times 47 = + 98, 7$   
 $Ob-4, 7 \times 56 = 263, 2$   
 $45-15-265-8$   
 $3 \quad 1 \quad 16 \quad 7 \quad 1$   
 $48, 16 \quad 04 \quad 460$   
 $2$

$3^{\circ} 45' 48''$   
 $- 2^{\circ} 44'$   
 $3^{\circ} 43' 04''$   
 $12^{\circ} 17'$   
 $3^{\circ} 55' 18''$

Fresh breezes from SW and cloudy

$7^{\circ} 11' 00''$   
 $75-$   
 $7^{\circ} 10' 45''$   
 $23^{\circ} 01'$   
 $7^{\circ} 33' 46''$   
 $4^{\circ} 20' 03''$   
 $7^{\circ} 13' 43''$   
Long  $48^{\circ} 25'$  West

$at 4^{\circ} 12' 89.48$   
 $33^{\circ} 24' 26/8^{\circ} 1-8$   
 $32^{\circ} 50'$   
 $76^{\circ} 14'$   
 $13^{\circ} 34'$   
 $19^{\circ} 67'$   
 $32^{\circ} 37'$   
 $32^{\circ} 50'$   
 $4^{\circ} 07' 17''$   
 $+ 14'$   
 $4^{\circ} 07' 31''$   
 $12^{\circ} 32'$   
 $4^{\circ} 20' 03''$

$L+0, 1 \times 50 = + 5, 0$   
 $S+2, 1 \times 58 = + 12, 8$   
 $Ob-4, 7 \times 24 = 112, 8$   
 $126, 8$   
 $14, 0$

Fresh Breezes from SW & Squally



1913

January 27 at 9.51 89.48  
 Lat 37.28 Long 18.28 = 32.34 5.55  
 15- 13 5.2  
 18 3.2

6.2.40  
 23.09  
 7.15.49  
 3.59.05  
 3.16.44

L-0.1 x 34 = 3.4  
 D+2.1 x 28 = +58.8  
 A-4.7 x 28 = -131.6

32.24  
 3.48.25  
 -1.16

49.14

West  
 Light NE Wind

3.47.09  
 12.5-6

Clear Weather

3.59.05

Demora

January 28 at 8.22 AM  
 Lat 38.48 Long 18.18 Lat 32.50 =

11.23.05  
 23.13  
 11.46.18  
 8.32.38  
 3.13.40

L-0.2 x 50 = -10.0  
 D+2.1 x 18 = +37.8  
 A-4.7 x 48 = -225.6

3.43.42  
 -3.17

23.5-6  
 19.7.8  
 01.7.3

3.40.25  
 1.2.00.00

Long 48.25 West

8.19.36  
 13.03

Fresh NE Wind  
 No boiling

8.32.38



1913

January 28 at 4:19 PM 89.48  
 104.40 at 33.09 2078:12 32.48 76.25

10.28-  
 23.73  
 33.88  
 20.13  
 13.28-

Set 1, 1 x 48 = + 4.8  
 Set 2, 1 x 12 = + 25.2  
 Set 4, 7 x 9 = - 42.3  
 30.0  
 12.3

14.23  
 18.13-  
 Set 3 2.38  
 4.07.17  
 -12  
 4.97.06-  
 13.08  
 4.20.13

Long 48:21 W  
 Boiling  
 <Bright SW Wind  
 Clear atmosphere>  
 = Senna =

January = 29 at 3:45 PM 89.48  
 6.45-0.0 at 38.28 26=17.5-5 = 32.37 76.05

44.45-  
 23.17  
 08.02  
 34.32  
 13.30

Set 0, 3 x 37 = - 11.1  
 Set 2, 2 x 56 = + 112.2  
 Set 4, 7 x 28 = - 191.6  
 142.7  
 019.5

14.43  
 18.00  
 22.43  
 3.17.32  
 -19  
 3.47.13  
 13.19  
 5.54.02

Long 48:22 West  
 Moderate SW Wind  
 Clear atmosphere  
 Finished boiling  
 Senna



1913

Don

January 30 at 3.40 89.48  
 alt 39.04 56.17.39 33.06 74.32  
 6.41.46  
 6.47.30  
 33.21  
 70.4.57  
 357.25  
 393.26  
 18.27 West  
 21.2  
 68.5  
 2.8  
 3.36.28  
 + 7.28  
 3.37.56  
 13.29  
 3.5-1.025-  
 Fresh SW Wind clear  
 Weather, some steam  
 Ground to NE = Summer

January 31 = 2.15-6- 89.48  
 alt 35.33 56.17.23 = 33.06 74.32  
 6.54.05  
 23.25  
 7.20.30  
 4.07.27  
 3.73.03  
 48.15 W 48.15  
 21.2  
 5.2.9  
 45.8.4  
 13.9.6  
 10.6.7  
 04.6.60  
 3.5-5.35  
 - 14.46  
 3.5-3.49  
 7.3.38  
 4.07.29  
 Strong SW Wind  
 clear atmosphere



*113*

47.40  
16-  
47.25-  
22.29  
10.54  
57.02  
13.52

*113*  
Tucuiro at 3.44  
at 37.39 to 17.00 to 32.45

L-0, 20 X 45 = - 9, 0  
D+2, 2 X 5 = + 13, 2  
Q-4, 7 X 39 = - 183, 3

89.46  
74.25-  
15.33  
17.70  
32.43

8.20

Light S. E. wind  
Sun School of Small  
Whale going to Windward  
quick no chance

17.71-11  
17.05-10  
5=73.43-9.4  
13.46-3.6  
3.46-1.6  
3.5-7.02

Tucuiro at 4.15 to 89.48

17.18  
18-  
12.03  
23.33  
42.35  
28.46  
3.50

at 30.52 to 15.49 to 32.35

L+0, 1 X 35 = + 3, 5  
D+2, 2 X 49 = + 108, 8  
Q-4, 7 X 52 = - 244, 4

74.06  
7.5-4.2  
16.8-3  
32.36-  
4.17-11.04  
-2.1.2

48.27 West

112, 3  
13, 2  
012, 6

4.17-11.04  
-2.1.2  
4.17-5.2  
73.3-4  
4.38-4.6

Track calm all day  
Summer



1913

$8-24.30$   
 $75-$   
 $5-27.75$   
 $23.47$   
 $5-5-0.56$   
 $3-39.11$   
 $3-11-45$

January 2nd at 2.00 89.48  
 at 40.58 73.47  
 at 16.14 16.01  
 at 33.18 16.35  
 22.36

$2-0, 5 \times 18 = 10, 8$

$2+2, 4 \times 14 = + 33, 6$

$2-4, 8 \times 58 = 278, 4$

89.48  
 72.5-8

Sun 44° 35' West

$47.06$   
 $25.5-6$   
 $07.5-60$   
 $4$   
 $3-28.04$   
 $74.07$   
 $3.39.77$   
 $3.3-10$

Fresh breezes from  
 N. Bay at night  
 " Alice Knowles, in sight

February 3 - at 2.35 89.48  
 at 37.22 72.03

$4-2.36$   
 $15-$   
 $6-42.20$   
 $23.45$   
 $7.06.08$   
 $3-55.34$   
 $3-10.37$

at 37.22 72.03  
 at 15.55 16.00  
 at 33.45 33.45

$2-0, 5 \times 45 = 22, 6$

$2+2, 4 \times 55 = + 132, 0$

$2-4, 8 \times 22 = 108, 6$

2.41.19  
 + 3

$128, 1$   
 $003, 9$   
 $3-41.22$   
 $14.12$

$44^{\circ} 37 \frac{3}{4}$   
 Fresh breezes from N. Bay  
 game to Alice Knowles

Alice Knowles = 44° 02' N



# February 6 at 8:48 AM

Long 11-5-8.46 alt 45-42 DE 15-44 Lat 34-12 =

11-5-8.46			89.48
15-			77.28
7.58.37			
33.49	L-1.2x=12-	14.4	
	D+2.7x=44+	118.8	18.22
22.20			
14.21	A-55.0x=42-	210.0	15.41
07.53			
		224.4	3.01.34
			- 7.45-34-03

45-5-8 W at 4m 105.6  
24.5 E 259.49 12.00.00 3 5-7  
Strong NE Wind  
Clear Weather  
Senna  
9.00.11  
14.16  
9.14.27

# February 6 at 4:00 PM

Long 07-5-5- alt 32-55 DE 15-37 Lat 33-57 =

07-5-5-			4.05-13
15-			- 3.05
07.40			
23.49	L-0.2x57=-	11.4	
3.5-29	D+2.4x37=+	88.8	4.02-07
16.23			
29.06	A-4.8x55=-	264.0	14.16
		275.4	4.16-23
		186.6	
		006.60	
		3	

Long 47-15  
Strong NE Wind clear atmosphere  
"Shice Knobs" in sight  
Senna



Feb. 8 = at 3<sup>h</sup> 21<sup>m</sup> 39.48

5.21.18<sup>m</sup> all 40<sup>h</sup> 36<sup>m</sup> 15.00 33:08 77.29

5.20.53

23.57

5.44.50

3.38.18

3.05.32

18 - 0,7 x 8 = 5,5

18 + 2,4 x 0 + 2,4

18 - 4,7 x 35 = 176,4

181,9

179,5

059,5

2

18.79

15.03

33.22

3.26.54

- 2.59

3.23.55

74.23

3.38.18

Long H 5.38 = W fresh breeze  
from S.E. with squally

February 9 at 4<sup>h</sup> 10<sup>m</sup> P.M.

7.08.30<sup>m</sup> at 30.03 16.44 = Lat 32.32 = 85.4

7.08.15

24.07

7.32.15

4.28.11

3.00.40.5

18 - 0,2 x 32 = 6,4

18 + 2,3 x 41 = 94,3

18 - 4,7 x 9 = 74,7

20,5

73,8

13,0

77.5

14.4

32.36

4.12.33

+ 1.13

4.13.46

7.28.17

Long H 5.00 1.11.11

Fresh breeze from S.E.  
clear weather

Denver



1913

February = 10 = at 3<sup>h</sup> 53 = 89.48  
 11- alt 30:35 - 562 14' 21 = 32.20 = 71.49  
 11- 17.59  
 00.30 14.26-  
 24.05- 32.24  
 24.36 12-2, 2 x 20 = 4, 0  
 24.59 12+2, 3 x 21 + 48, 3  
 9.36 10-4.7 x 35 = 164.5-  
 168.5-  
 720<sup>2</sup>  
 000<sup>2</sup>  
 44<sup>h</sup> 54 W = 4-12<sup>h</sup> 33 =  
 4-10<sup>h</sup> 33  
 14.26  
 4-24:59  
 Strong S E Wind clear  
 Low three Bull Whales going to Windward quick  
 no chance, Sanna

February = 11 = at 3<sup>h</sup> 53 = 89.48  
 15- alt 30:07 32.08 71.45-  
 49.57 072213 18.03  
 24.09 75:58 x 013159 14.05-  
 14006 128<sup>h</sup> 13 640284 32.08  
 13.44 64.06 + 841640  
 20.19 43:59 95-6729 4-5-9.21  
 15.04 45- 14.26  
 6513.47  
 Light S E Wind  
 clear weather caught 3 small  
 Whales



Feb = 13<sup>th</sup>

\*6.23.03 alt 37.24 Le 13.21 Lat 31.46 89.48

24.17  
 5.49.20  
 3.5.0.35- 3-0, 6x45 = 27.6  
 2.58.45- 3+2, 3x21 = + 48.31  
 32.00

44.47  
 14.0.4  
 19.2.1  
 3.37.47  
 - 1.32  
 31.47

3.36.09  
 14.25  
 3.50.35

Feb, 14 = at 4.56 PM  
 5.5.3.5-1 = alt 30.37 Ale 13.01 = Le 30.3-0 89.48  
 7.5

6.5.2.36  
 24.21  
 7.16.57  
 4.23.63  
 2.53.14  
 Same name  
 3-0, 2x5-0 = 10.0  
 2+2, 1x1 = 2.1  
 31.00

4.10.39  
 - 1.20  
 4.09.19  
 14.24  
 4.23.43

43.18  
 Free breeze from  
 Easterly two fathoms  
 in sight  
 Luna



Feb-15- at 3.50 P.M.

33-05- alt 33.43  $\Delta = 12.41 = \text{Lat } 30.10 = 89.48$   
 $42.33$

34.50  
 24.26  
 59.75  
 07.00  
 52.09

$L-0.5 \times 10 = -5.0$   
 $D+2.2 \times 44 = +96.2$   
 $O-4.6 \times 43 = -197.8$

202.8  
 112.6  
 08.2

Long 43:02 West

Fresh breeze from Easterly  
 Clear atmosphere

17.15  
 12.45  
 30.00  
 $3.54.34$   
 $- 1.5.3$   
 $3.52.45$   
 $14.27$   
 $4.07.06$

February-15- at 4.13 P.M.

33-05- alt 26:20  $\Delta = 12.20$  (Lat 30.10)  $= 89.48$   
 $42.33$

06.35  
 20.29  
 30.54  
 39.47  
 51.07

$L-0.0 \times 5.0 = -5.0$   
 $D+1.9 \times 20 = +38.0$   
 $O-4.8 \times 28 = -126.0$

137.0  
 095.0  
 32.0

Long 42:46 West

Fresh Easterly wind  
 & clear atmosphere  
 Sun

89.48  
 42.33  
 15.11  
 12.24  
 28.35  
 $4.27.03$   
 $- 1.3.3$   
 $4.25.30$   
 $7.40.17$   
 $4.39.47$



$\text{Feb} = 14 \text{ at } 3.36 \text{ m } 89.4$   
 $\text{G} = 22.5 - \text{G} \text{ alt } 35.27 \text{ Dist } 1.59 \text{ Lat } 29.34 = 72.20$   
 $\text{15-}$   
 $\text{G} = 22.41$   
 $\text{24.33}$   
 $\text{G} = 47.14$   
 $\text{3.57.34}$   
 $\text{2.49.40}$   
 $\text{Spring H2:25.11}$   
 $\text{Free Easterly Wind}$   
 $\text{Clear}$

$77.22$   
 $12.03$   
 $29.20$   
 $3.43.47$   
 $- 20$   
 $3.43.27$   
 $14.13$   
 $3.57.34$

$\text{February } 19 = \text{at } 3.36 \text{ m } 89.48$   
 $\text{G} = 23.5 - \text{G} \text{ alt } 34.45 \text{ Dist } 1.17 \text{ Lat } 30.32$   
 $\text{15-}$   
 $\text{G} = 23.41$   
 $\text{24.41}$   
 $\text{G} = 48.22$   
 $\text{3.58.34}$   
 $\text{2.49.48}$   
 $\text{Spring H2:27}$   
 $\text{Freshed Easterly Wind}$   
 $\text{Light N.E. Breeze}$   
 $\text{Clear Weather}$

$71.03$   
 $18.45$   
 $11.42$   
 $30.27$   
 $89.48$   
 $70.41$   
 $19.07$   
 $17.23$   
 $30.30$   
 $3.47.45$   
 $- 3.13$   
 $3.44.32$   
 $1.14.02$   
 $3.58.34$



1913

25

Feb-20-at 8:03 AM

1:00:40 Alt 36:40 Lo=11:03 Batt 30:40

1.00.26-

24.45-

25.10

39.03

46.07

41.31

41.31

41.31

41.31

41.31

41.31

Lo-0,7x40- 28,0

D+2,3x3+ 6,9

Ob-4,7x40-188,0

216,0

209,1

029,00

3

fresh breeze

3.38.25-

-3.29

3.34.56

12.00.00

8.25.04

13.8-9

8.39.03

February=20-at 3:32 Pm=87.48

28.05- alt 32.07 Lo=10.55- = 630.54

24.45-

5.2.50

09.46

43.04

43.04

43.04

43.04

43.04

Lo-0,6x54=- 32,4

D+2,3x53=+ 126,5-

A-4,7x7=- 32,9

65,3

61,2

01,60

1

40:40 West =

69.52

19.56

11.00

30.56

3.5-4.48

+ 1.01

3.5-5-49

13.57

4.09.46

Fine breeze from North and clear weather no sailing

Lennon



February 21 = at 8:04 AM.  
 10.34.10 alt 32° 25' - 26 10" 41' = 30° 50'.

10.33.55	Re - 0, 6 x 50 -	30, 0
24.49		
10.58.44	D + 2, 3 x 41 +	94, 3
8.19.54		
2.38.47	S - 4, 7 x 25 -	117, 5
		147, 5
		5-3, 2

39.04

3.54.48  
 - 5-3  
 3.53.6-5  
 12.00.00  
 8.06.06  
 13.5-2  
 8.19.54

February 21 at 3:45 P.M. 89.48  
 6.14.18 alt 33° 20' - 26 = 10° 33' - alt 31° 06'

6.14.03	So - 0, 7 x 6 -	4, 2
24.49		
6.38.52	D + 2, 4 x 33 +	79, 2
4.02.58	S - 4, 7 x 20 -	94, 0
2.35.54		98, 2
		19, 0
	3.55	
	8 13	
	35.58	

89.48  
 69.17  
 20.37  
 10.37  
 37.08  
 3.49.28  
 - 19  
 3.49.09  
 13.49  
 4.02.58

Comp 38.58

fresh wires from the  
 Alouette in the  
 evening



$\Delta 11 =$

February 22 at 3.48 P.M. 89.48  
 alt 33.04 - 10.12 = Lat 22.52 69.30  
 71-

0 5.00	24.53	20.75
30.58	24.53	10.16
03.41	24.53	30.34
27.17	24.53	3.00.08
	24.53	9.
	24.53	3.49.59
	24.53	13.42
	24.53	4.03.41

35.49 = 35.49  
 Fresh breeze from NE clear atmosphere - We were sailing.

March 19.14 Feb 23 at 3.43 P.M. 89.48  
 alt 33.31 - 9.51 = Lat 23.40 69.46

11.54.00	24.57	20.03
18.57	24.57	9.54
00.59	24.57	29.57
17.58	24.57	29.48
	24.57	3.48.32
	24.57	1.07
	24.57	3.47.25
	24.57	7.3.34
	24.57	4.00.59

34.29 = 34.29  
 Fresh breeze from NE clear atmosphere

at 3.47 P.M.  $\Delta 44\frac{1}{2}$



Δ 78 noon

1913

Δ at 4-99 1/2

February 24 at 4-03 P.M.  
6-07-41 alt 28-13-28 = 9-28-29-02 8-9-48  
70-08

6-07-26

25-01 10-0, 5-4 2=-

6-32-27 10+2-2x28=+

4-24-58 10-4, 6x13=-

2-07-29

Strong NW Wind

31-5-2 Clear atmosphere

4-11-34  
13-24

9-34-18  
6-23-

4-24-58

8-24-53

8-24-53

8-24-53

8-24-53

8-24-53

8-24-53

Feb-25- at 8-15-

10-20-40 all 30-5-9 8-9-14 = 8-28-22-

10-20-26

25-05

10-45-30

8-42-13

2-03-17

3-08-49

10-0, 8x20- 17-6

10+2, 1x14 + 29-4

10-4, 6x59-271-4

289, 0

259, 6

019, 60

4

10-0, 8x20- 17-6

10+2, 1x14 + 29-4

10-4, 6x59-271-4

289, 0

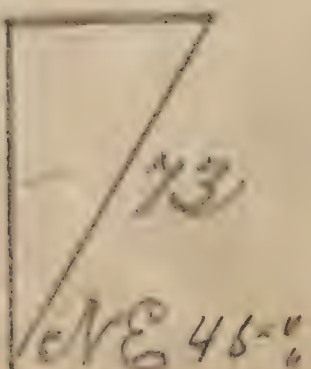
259, 6

019, 60

4

4

Left 29-02-5  
29-02-5  
29-02-5





Ammon 89

1913

Lat = 8-4

February 25 - at 11:00 P.M. 89.48  
alt 26.38  $\Delta = 9.06 = 28.00$  70.46

15-  
06.06  
23.05  
31.11  
29.59  
01.12

$L = 0, 3 \times 0 = 0.3$   
 $S + 2, 0 \times 5 + 12, 0$   
 $O = 4, 5 \times 59 = 271, 4$   
271, 4  
259, 7  
019, 60  
4

19.02  
9.10  
28.12  
4.1.13  
- 4.1.9  
4.16.44  
- 13.15-  
4.29.59

$\Delta = 30.18 W$

Strong NW Wind clear  
atmosphere

$\Delta 45$  - at 3-4

February 26 - at 3:44 P.M.

26.38  
15-  
26.23  
25.09  
31.32  
56.18  
5-5.74

alt 34.26  $\Delta = 8.43 = 26.11$   
 $L = 0, 7 \times 11 = 7, 0$   
 $S + 2, 0 \times 43 + 36, 0$   
 $O = 4, 5 \times 26 = 117, 0$   
124, 0  
38, 0

89.48  
72.10  
17.38  
8.47

26.25-  
14  
2.6.11

$\Delta = 28.48 W$

Moderate Wind from  
West clear weather

3.43.57  
- 3.8  
3.43.13  
- 13.05-  
3.56.18  
949.45  
5.32  
8.43.16  
3.0.10  
- 3.0.10  
4.18  
2.7.26.13.0.10



Δ 4h 45

Feb 26 4 03 PM

5h 49.10<sup>m</sup> 29° 24' 56" 80' 43" = Lat 26° 11'

5-48.55-  
25.19

5-14.04  
4-18.50

4-55.14

10-0.5-11=- 57.5-

105+1.9x43=+ 82.7

104-4.5x24=-708.0

113.5-

0312.8

4.06.16

- 31

4.05.45-

13.05-

4.18.50

Song 28° 48' West-

Δ noon 29 =

February 27 = at 3h 35-

89.48

43.18

16.30

82.5-

24.65

24.41

5h 27.35- Alt 33° 19' = 82° 29' = Lat 24° 41'

25.13

5-52.48

4-00.54

1-57.54

6-0.5x41=- 20.5-

1+1.7x22=+ 37.4

10-4.4x19=- 83.6

104.1

66.7

06.6

1

Song = 27° 58' H

Moderate Windy

NW clear

3-49.55-

- 1.66

3-47.59

12.5-5-

4-00.54

Δ 4h = 47 = P. 16.

8-27.20 = 57

3.42

8-21.35 34.25-

8-12.5-7.70 44.16

2.54

8-12.5-5-06 26.46



~~Agg~~

1913

( $\Delta = 92$  at 4)

31

Aug 14 5-

March 40 at 380

36.45 alt 30.33 567: 37- 80=23: 13=

36.30  
23.21  
01.57  
12.23  
49.28

$L \times 0.4 \times 12 = -$   
 $D + 1.7 \times 37 = +$   
 $Ob - 4.4 \times 33 = -$   
745.2  
15.0  
187.1  
27.1

4.8

62.9

75.11  
12.4  
24.22

89.48  
73.67  
15.81  
8.03  
23.64  
89.48  
74.00  
15.48  
74.40  
23.08  
16  
23.12

Aug 27.22 West-

Light NW wind clear  
Weather

4.01  
1.27  
3.55  
72.33  
4.12.23

Aug 25 1/2

March 20 = at 3.37 =

35.19 alt 34.15 55-7.13 = L 22.21

35.18  
26.25  
44.73  
5-5-45  
48.28

$L + 0.5 \times 21 = 10.5$   
 $Ob - 1.5 \times 13 = 20.8$   
 $Ob - 4.4 \times 15 = 66.0$   
76.5  
5.5.7

89.48  
74.36  
15.13  
7.17  
23.39  
52.21  
3.44.19  
5.5  
3.45.24  
15.21  
3.55.45

Aug 27.07 West-

Light-Westerly wind  
clear atmosphere  
Sunna

( $\Delta$  at 4 = 34)



$\Delta$  norm 48 =

$\Delta$  at 40, 48

March 3 at 4.05 = 89.48

5.43.00 alt 28:52  $\Delta$  = 6.51 =  $\Delta$  21.48 = 74.54

5.42.45

25.29

6.08.14

4.18.27

1.49.47

Long 27.25 =

$\Delta$  - 0.4 X 48 -

$\Delta$  + 1.5 X 51 +

$\Delta$  - 4.3 X 52 -

19.2

76.5

223.6

2.42.8

1.66.3

0.46.6

2

74.54

6.54

21.48

4.09.05

- 2.46

4.06.19

72.48

21.18.27

Dead calm

and light wind from North

Penns

$\Delta$  norm 63

March 4 at 3.52 P.M.

5.28.16 alt 32:38  $\Delta$  = 6.28  $\Delta$  21.10 = 89.48

5.28.01

25.33

5.53.34

4.07.41

1.57.53

Long 27.58 West

$\Delta$  - 0.5 X 10 -

$\Delta$  + 1.5 X 28 +

$\Delta$  - 4.3 X 38 -

5.0

42.0

163.4

1.58.4

1.26.4

0.06.6

89.48

75.03

14.45

6.31

21.16

3.51.52

- 2.06

3.49.46

71.55

4.07.41

Light Wind from  
NE Clear Atmosphere  
Penns

$\Delta$  at 4.5

7.5



Long 4 1/4 at 7-5-3 AM March 15-3

29-22 att 27-44 Long 13- Lat 20-43  
- 15-

29-07  
28-34  
54-44  
07-12  
5-3-32  
28-22

Lo-0, 3 x 43 = - 12,9  
Lo+1, 4 x 13 = + 15,2  
Lo-4, 3 x 44 = - 132,2  
202,1  
183,9  
003,2

4-13-39  
- 3-53  
4-10-35  
12-00-00  
7-49-24  
12-48  
8-07-12

Martin Var Islets =  
in sight distance about 25 miles off  
Martin Var Long 28-53  
Ship Long 28-22  
00-31 miles

March 24

March 5 at 4:00 PM

37-08 att 37-03 Long 13- Lat 20-18  
15-  
36-53  
25-37  
03-30  
08-03  
54-27  
Lo-0, 4 x 18 = 7,2  
Lo+9, 4 x 4 = 5,6  
Lo-4, 3 x 3 = 12,9  
20,1  
74,5

89,48  
75-36  
74-12  
6-09  
80-21  
3-5-6-35  
- 14  
3-5-6-21  
77-42  
4-08-03

Long 28-36

«Martin Var and Trinidad»  
Islands in sight



$\Delta$  noon 302

$\Delta$  at 4 = 48

March 6, at 3.47 P.M. 89.48

5<sup>h</sup> 24<sup>m</sup> 73<sup>s</sup> alt 33.5-0.26.41 = 19.42

75.34  
74.74  
5-46

5-23-58  
23-41  
5-49-39  
3-65-33  
7-5-4006

8-0, 5-x 42 = 21,0  
D+1, 4 x 41 + 57,4  
10-4, 3 x 50 = 215,0

2360  
178,6  
058,6  
2

20.00  
18  
19.42  
31147,03  
- 2.58  
3.44.05  
114.28

28.31 West

right all wind clear  
weather saw a Park  
to northward of us =  
Senna

March 7 = 3.5-3 P.M. 89.48

$\Delta$  noon 3/3 1/2

March 7 =

3.5-3 P.M. 89.48

5-24-73

alt 35.42 26-5.47 = 17.57

76.52

5-13-70  
25-45

8-0, 5-x 57 = 28,5

12.56  
5-23

5-40-55

D+1, 2 x 17 = 20,4

18.19  
22

3-47-41

10-4, 2 x 12 = 176,4

77.57

7-5-374

204,9

3.39.37  
3-04

28.18 W

184,5  
004,100

3.35.24  
77.74

$\Delta$  at 4 = 55 1/2

fresh breeze from West  
clear atmosphere

3.47.41

Senna



Δ noon 38

Δ at 4<sup>h</sup> 47<sup>m</sup>

March 8<sup>th</sup> at 4.05 - *noon*  
alt 29.46 *Exp. 16.31*  
41.6-3 alt 29.46 *Exp. 16.31*  
26- *16.26*

41.6-3  
26-49  
04.27  
12.23  
55.04  
28.46

$Q - 0, 4 \times 26 = - 10, 4$   
 $D + 1, 1 \times 54 = + 59, 4$   
 $Q - 4, 2 \times 40 = - 193, 2$   
 $203, 6$   
 $144, 2$   
 $024, 160$   
 $2$

4.05.49  
- 2.34  
4.01.25  
4.01.25  
4.12.23

Slight wind from the trade  
clear atmosphere  
Senna

14.45  
28.46

Δ noon 66 =

34.05-  
16-  
33.50  
25.53  
9.43  
9.55-  
74.48

March 9<sup>th</sup> at 5.49

alt 32.74 *Exp. 4.31* *Exp. 14.30*

$Q - 0, 3 \times 30 = - 9, 0$   
 $D + 1, 0 \times 31 = + 31, 0$   
 $Q - 4, 1 \times 17 = - 69, 7$   
 $78, 7$   
 $47, 7$

89.48  
19.36  
10.12  
4.36  
14.48  
18  
14.30

3.5-1.5-8  
- 4.7  
3.5-1.1  
9.0-4.4  
4.07.5-5-

Moderate wind from S.E.  
clear atmosphere

Senna  $E = 10.47.97 = 4.35.68$   
 $3.76$   
 $27.44.21$   $24.37.02$

Δ 84 =  
4.5.11



$\Delta$  at 4<sup>h</sup> (24 3/4)

$\Delta$  noon 5 1/2

March 10<sup>2</sup> at 3<sup>h</sup> 5-0 PM

5-36-14 alt 31:58.  $AB=4-08=$  Lat 12:18 =

89.4  
81.2  
08.2  
4.1

5-35-57  
25-5-4

$Sc-0, 2 \times 18 = - 3.6$

6-07-56  
4-03-09

$D+0, 8 \times 8 = + 6.4$

7-58-49

$AB-4, 1 \times 58 = -23.8$

29:42 West

247.4  
235.0  
05-5  
3

3-5-5 33 =  
- 3-5-5  
3-5-2 38  
70-29  
4-03-07

Fresh breezes from trade  
Squally

$\Delta$  noon 20

March=11= at 3<sup>h</sup> 40 PM

5-26-57 alt 34:42.  $AB=3-44$  Lat 10:27 =

89.4  
82.4  
07.0

5-26-42  
26-07

$Sc-0, 3 \times 27 = 8.1$

5-52-43  
3-51-41

$D+0, 7 \times 44 = 30.8$

2-01-02

$AB-4, 7 \times 42 = -172.2$

780.3  
149.8  
025  
2

10.49  
22  
10.27

Song 30:15 West

Fresh breezes from trade  
Clear weather

3-43-57  
- 2-29  
3-44-28  
70-73

Good Merchantmen bound  
to North and South

3-5-1-41

$\Delta$  at 11<sup>h</sup> PM  
42

Barrow



54

noon

March 12 = at 3.37

P.M. 87.48

alt 34.40 De = 3.20 = Lat 8.30 =

27.32

16-

Lo - 0, 2 x 30 = - 6, 0

27.17

26.03-

Lo + 0, 6 x 20 = + 12, 0

5.3.22

5.7.29

Lo - 4, 1 x 40 = - 164, 0

1.5.3

170.0

160.0

040.0

Long 30.28 West

Fresh breeze from S.E.  
Clear atmosphere -  
Sunny

05.23

3.25-

8.48

18

8.30

3.44.18

2.40

5.41.38

5.1.29

noon 3 =

March 13 at 3.45 P.M.

87.48

86.27

35.58

alt 32.48 De = 3.57 = Lat 5.57

1.5.3

26.09

Lo - 0, 1 x 5.7 = - 5, 7

1.5.2

Lo + 0, 3 x 5.7 = + 17, 1

8.5.2

Lo - 4, 0 x 48 = - 192, 0

3.0.0

197.7

180.6

000.6

Long 30.45 West

Strong wind from Trade  
Clear weather - Sun  
Merchant men bound to South  
Sunny

03.27

3.02

6.23

26

5.27

3.1.2.11

3.0.0

3.49.17

9.41

3.58.52

Δ 30 = at 4<sup>h</sup>



$\Delta m m 63 =$

$\Delta 4583 =$

*Sm*

March 14 at 3.42

$5-32-15-75- \text{ alt } 34-15-26 \text{ } 2-33-33-35-$

89.4

88.3

07.76

2.38

3.53

18

3.35

3.44.12

= 1.50

3.43.12

9.24

3.52.36

$5-37-15-26-13$

$2-010 \times 35 = 3.5-$

$5-58-03$

$20+011 \times 33 + 3.3$

$3-52-36$

$36-4,0 \times 15 = 60,0$

$2-05-27$

$53,5-$

$60,2$

31.21 West

Fresh breezes from  
trade already came  
a Steamer found to  
be Sumner

March 15 at 8.27 8 AM

$10-17-00$

$\text{alt } 36-26 \text{ } 2-2-18 =$

$\text{Sett } 2-23$

$26-17$

$70.43.77$

$2+0, 0 \times 23 = + 2.3$

$8-34.44$

$2+0, 0 \times 18 = + 1.8$

$2-08-33$

$44, 0 \times 26 = 104,0$

3.36.09

- 1.39

4.7

99.9

35.60

32.8

3.34.30

12.00.00

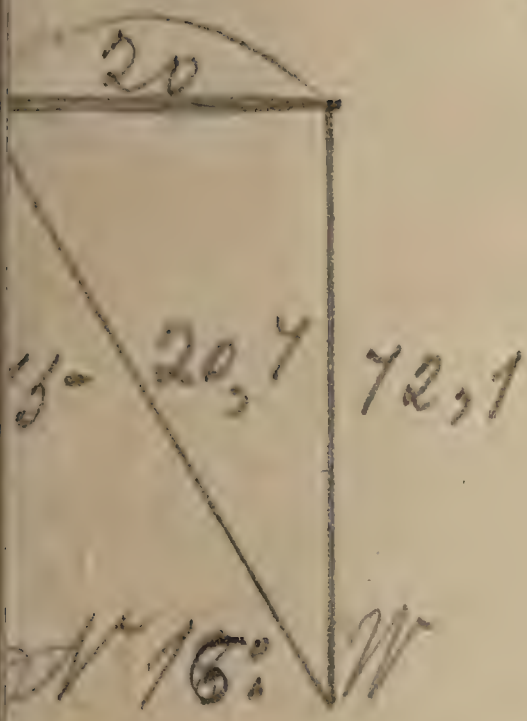
8.25.30

9.14

8.34.44



True  
 Course 16: NW = dist 78 miles call 1/2  
 35-S Long 31:21 W =



Lat left - 30:35-3  
~~Left~~ 7:12 N  
 Lat in 30:23 S  
 30:35-  
 2:23  
 5:11:58  
 Long in 31:41 W =

Long left - 31:21 W  
~~Left~~ 20 W  
 Long in 31:41 W

Lat = 4:87 = Δ 8 = A.M. 3

March 16 at 5:05 A.M.

Lat 9:57:03 at 30:37 Lat 1:50

9:56:48  
 26:21  
 23:09  
 77:17  
 11:52

30 45-  
 2 13  
 32:58

Lat 0,0 X 5-0 = -5,0  
 Lat 0,0 X 5-4 = +5,4  
 Lat -4,0 X 37 = -148,0

4:00:00  
 - 2:22

12:57:40  
 80 0 2 22  
 5 11 5-7

Long 32:58 W

54  
 74 26  
 0 2 26  
 2

80 17 17



Δ 900 172

Δ 4 PM. 23

March = 16

at 3.46 PM 89.4  
alt 34.00 to 1:46 Lat 1:40 = 89.4

5.39.27  
25.21

6.08.25  
3.02.49

2.72.48

Sum 33:12

S 0,0 x 40 = 4,0

D 0,0 x 46 = 4,6

A-4,0 x 00 = - 4,0  
12,0

00.00  
1.5-  
1.45

3.44.32  
- 1.22  
3.43.10  
8.5-0  
3.5-2.40

Very light - Breeze with calm

4.5.24.00  
26.25-

March 17<sup>th</sup> at 2.30 P.M. 89.4

alt 37.58 to 1.22 Lat 1.47 89.2

5.50.25  
3.36.42

2.13.43

S 0,0 x 47 =

D 0,0 x 22 =

A-4,0 x 58 = - 232,0  
05.2 (40)  
3

33.23 - West

Dead calm all day  
Sunna

00.19  
1.28  
1.47

3.32.02  
- 3.5-2  
3.28.47  
8.3-2  
3.36.42



March 19 = at 4:03 PM

8-8-1-5- alt 29.13 = 20-0:35 = 20-48

8-8-40  
 20-33  
 20-13  
 91-02  
 14-17

20-0.1 x 48 = - 428

240.1 x 35 = + 3, 8-

24-4, 0 x 13 = - 1-2, 0

8-6, 5

5-3, 3

mg 33:33W

Dead calm all day  
clear atmosphere  
Sunset

89.48  
 88.39  
 0 1-0 93  
 3 93  
 1-488

4-03-5-9  
 - 5-3  
 4-03-0-6  
 7-5-0  
 4-7-1-0-2

March = 20 = at 4:05

01-5-3 alt 28:23 16-1-03 = Lat 1-48 =

01-38  
 36-37  
 28-1-5-  
 14-03  
 14-12

20-0, 1 x 48 = 48

240, 1 x 11 + 1, 0

26-4, 0 x 23 = 92, 0

96, 8

96, 8

35-6

3:33W

Dead calm all day

89.48  
 88.16  
 0 1-0 32  
 1 5  
 1-48

4-07-5-9  
 - 1-33-  
 4-06-24  
 7-39  
 4-14-03



Brisola  
G. Wright

1913

Contrary Name

March 24 = at 3.43 P.M. 89.48

8.39.01 at 33.48 0.13 = 2.1.35

88.94

07.44

06

1.38

8.38.59  
25.45

8-0.1x26- 3.6

6.08.37

8+0.1x13- 1.3

3.51.46

8-4.0x48- 192.0

2.13.46

196.9  
010.60

3.47.59

-3.18

3.44.43

7.03

33.26.88

Light NNE Wind

clear, saw no birds to west 3.51.46

ward of us = S

Summary

March 24 = at 4.10 89.48

8.18.10

at 26.02 86.1.24 = 2.0.38

7.5

6.07.55  
25.53

8-0.1x15- 1.5

1.338

6.34.48

8-0.1x24- 2.4

89.48

4.22.09

8-4.0x2- 8.0

87.0

2.12.39

11.9

0.24

1.19

Long 33.09.3/4

Light NE Wind clear

Weather

4.15.53 = 1.15

4.15.42

4.22.09



Contrary Name

March 25 - at 2.35 - P.M.

89.48  
87.13

5-25-25-  
15-

at 35.27 = 262.11 = 2-0.22 =

02.355

25-10  
27.07  
5-2.11  
39.50  
2.21

2-0, 2 x 22 = 4, 4

2-0, 1 x 11 = 1, 1

2-4, 0 x 27 = 108, 0

2.04.58  
5.5.4  
00.283

2.5

2.04.58  
5.5.4

2.10.44

mg 33405-LL

113 6-  
083 (4)

light NE Wind  
Merchantmen Ships in  
Sight

h m 2 408.1 } 59  
3.35-5-4 } 35-4  
1.5-3 4.60.9 } 55-4  
3.34.0 1 5.5-4-23  
5-49 4.60  
3.39-5-0 55-42.13

Nov 37) 42  
637/2 PM

Same Name  
March 27 at

P.M.

87.48  
87.5-3

5-8.05-  
15-

at 29.38 262.2.34 = 2-0.48

01.5-55  
2.30

57.50  
27.05  
4.5-5-  
15.5-6  
7.5-9

2-0, 1 x 48 = 4, 8

2-0, 1 x 34 = 3, 4

2-4, 0 x 38 = 15-2, 0

0.55-  
7.3  
0.48

mg 3411 29 W

15-5-4  
15-0.6  
030 60  
2

4.03.5-5-  
-2.30  
4.01.23-  
5.31  
4.05.5-6

Strong breezes from  
the trade clear weather  
Sailing

15x  
30x  
1.529



Ammon  
3 1/2

Δ 4 = (27)

March 28 = at 4.30 89.4

6.31.33 alt 23.26 26 =

7.5-  
6.31.18  
27.09  
6.53.27  
4.31.08  
2.27.19

2.00-  
87.01-  
112.37  
56.18-  
3204279,477612 =

1100266-  
0005-89  
9744171  
87326-87

88.4  
01.03  
2.5-  
1.5-0

3.4  
0.7  
4.25.6-1  
3-417  
4.31.08

Strong breeze from  
Trade

Δ Noon = 39

March 29 at 3.40 85.4

5.48.25 alt 36.23 - alt 3.32 = 26 = 3.21 =

00.03  
3.17  
3.20

5.48.70  
27.13  
6.75.23  
3.32.40  
2.55.43

10+0, 1 x 32 + 3, 2  
20+0, 1 x 27 + 2, 1  
AO-4, 0 x 25 = 100, 0

5-33  
9437  
34

3.36.19  
1.33  
3.34.45  
4.5-5-  
3.39.40

Strong 38.55.45 = W

Clear weather

2.41  
3.10  
3.8.6-5-

3.11.73  
6.5-4  
3.21.07

4.5-8.97  
4.69

2.1-4.12 2.8.6- 4.5-9



15<sup>45</sup> PM

March = 30 = at 3.42 PM

0005-0 at 36:37 36=3.44 Lat 4.40

00035-  
27.17  
37.52  
42.45  
45.06

40, 0 x 40 = + 4, 0  
40, 2 x 44 = + 8, 8  
40, 0 x 37 = - 148, 0  
12, 8  
135, 2  
015-00

3.40.21-  
- 2.13-  
3.38.71  
+ 4.36  
3.42.46

Long 41:15 W

(Fresh breeze from N  
trade clear weather)

29 =  
11 AM

March = 31 = at 3.48 PM

5-59.43 at 35.08 = 55-4.08 = Lat 6.08

5-59.30  
27.21  
26.57  
32.33  
5-4.18

40, 0 x 8 = + 0, 8  
40, 3 x 8 = + 2, 4  
40, 0 x 8 = - 32, 0  
3, 2  
28, 8

PM (48)  
87.48  
87.12  
01.56  
4.04  
6.00

Long 43:30 W

(Fresh breeze from N  
trade clear weather  
Long)

3.28.43  
- 28  
3.28.15  
4.18  
3.32.33



Δ 1100 80 1/2

(8" Δ 4" (E))

at 3.59 PM 89.4  
6.32.50 alt 32.08 = 4.32 = alt 7.32 = 86.5

6.32.50 15-	6.32.50 27.25-	6.32.50 27.25-	7.00.00 3.55.35	3.03.24	60 + 0.0 x 32 + 3.2	120 + 0.4 x 32 + 12.8	120 - 4.0 x 8 - 32.0	32.0 16.0 16.0	3.52.53 - 16 3.52.37 3.5-9 3.5-6.36
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Long 115.51 = 11  
Strong breeze from  
road clear

Δ 1100 50

April 20 at 3.35 PM

6.20.45 alt 37.19 = 4.4.55 alt 9.08

6.20.45 15-	6.20.45 27.29	6.20.45 27.29	6.47.59 3.35.33	3.13.25	60 + 0.1 x 8 - 0.8	120 + 0.6 x 55 + 33.0	120 - 4.0 x 19 - 76.0	33.0 43.2 48.0	89.48 86.40 04.08 4.5-2 8.58 1.0 9.28 3.32.35 - 43 3.31.52 + 3.47 3.5-33
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Long 118.06

Just over road  
clear atmosphere  
P. H. H.

Δ 4.4 PM (43)



mon (18)

Δ 4 PM (43)

47

April 3 = at 3<sup>h</sup> 40 PM 89.48

6.37.35 at 3.5.37 = 56.5.18 Batt 10:36 84.34

6.37.35  
27.33  
05.08  
42.12  
22.56

2-0.1 x 36 = 3.6

2+0.5 x 18 = 10.8

2-4.1 x 27 = 15.1.7

15.5.3  
14.4.5  
12.4.60  
2

05.11  
5.13  
10.24  
10.36

3.47.13  
- 2.24

3.28.49  
3.23

3.42.12

50.44W

Fresh trade clear weather

April 4 = Sunday

mon (19)

5.3.20 at 3.4.30 56.5.48 Batt 11.48 = 83.46

5.3.20  
27.37  
20.42  
46.39  
34.03

2-0.1 x 42 = 4.8

2+0.4 x 41 = 28.7

2-4.1 x 30 = 123.0

127.8  
45.30  
099.1  
39.60  
5.2.41

06.02  
5.36  
11.38  
10  
11.48

3.45.12  
+ 1.39

3.43.33  
3.06

3.46.39

wing 5.3.312

Fresh breezes from the Trade S. wind

Δ 4 PM (16)



Amth (41)

(65) at 4! (Lat 12 45)

April 6 at 8:23 = 8:11.

on 11-24.17 alt 31.22 = 20-6.18 = Lat. 13.10

77.2645-

27.45-

77.5430

8.06.07

3.48.23

57.05-

L-0.1 x 10 - 1.0

L+0.8 x 18 + 14.4

Ob-4.1 x 22 - 90.2

91.2

76.8

16.60

1

3.5-8.03

- 1.16

2.56.49

12.00.00

8.03.11

2.56

8.06.04

Amth 65-

April 6 at 3:51 PM

4.16.30 alt 32.53 = 20.5.25 Lat 13.09

15-

7.16.15-

27.45-

7.44.00

3.53.13

3.50.47

L-0.1 x 9 - 0.9

L+0.8 x 26 + 20.8

Ob-4.1 x 53 - 2.17.3

2.17.2

19.4

0.1.60

.3

87.48

83.07

06.47

6.22

13.09

3.5-3.59

- 3.17

3.50.42

2.31

3.53.13

Long 5-4.42

41.30

12.12

57.42

Moderate Wind

at 4 PM (3)

Green Trade Whaling Boat in sight



Open at

89.48  
~~83.23~~  
06.25  
6.44  

---

73.09

May = 15 at 3.48 G.M.

43.15 at 34.24 H = 18.52 Lat 23.48 =

43.41  
28.15

89.48  
85.05  
04.43N  
18.49N  

---

23.32

17.56  
54.10  
17.46

L + 1.2 x 48 + 57.5  
S + 0.5 x 62 + 26.2  
Q - 4.4 x 44 = 193.6  
83.8  
109.6  
249.1

3.59.47  
- 1.49  

---

3.57.58  
3.48  

---

3.54.10

Long 54.25 W

Fresh breezes from NE Clear  
Whaling Barks in sight suppose to be  
Berthas

Sumner



May 17 at 3.47 P.M.

Lat 31.24 alt 37.40 Lb = 19.06 Lat 24.46

18

7.31.05

28.17

7.39.22

3.42.06

4.17.16

Lat 31.24 alt 37.40

23.0

Lat 31.24 alt 37.40

7.2

Lat 31.24 alt 37.40

176.0

30.2

145.8

0.25.42

2

3.48.19

- 2.25-

3.45.54

- 3.48

3.42.06

64.19 West

Light NE Wind clear weather  
"Alice K. mules" & "Bertha" in sight

Luna

May 18 at 4.02 P.M.

Lat 49.00 alt 33.17 Lb = 19.33 Lat 26.04

15

7.48.43

28.20

8.17.45

4.02.06

4.14.09

6.31.32

Lat 49.00 alt 33.17

23.0

Lat 49.00 alt 33.17

49.5-

Lat 49.00 alt 33.17

76.5-

5-1, 5-

25.0

4.07.06

- 25-

4.06.47

3.45-

4.02.56

Light NE Wind

Clear Weather Spoke To

British Ship, Frances from Barbados

to Halifax - She took

5.5 Carosene oil from us

19.28.48

4.24

19.33.12



1913

51

May-19- at 3.40 P.M.

$28^{\circ} 00'$  alt  $35^{\circ} 15' - 9$   $28^{\circ} 19' 46'' =$  Lat  $27^{\circ} 21' = 89.48$   
 $28^{\circ} 22'$   $82.16$   
 $5-6^{\circ} 22'$   $18 + 0.3 \times 21 + 6, 3$   
 $4^{\circ} 40'$   $18 + 1.5 \times 46 + 69, 0$   
 $09^{\circ} 12'$   $18 - 4.5 \times 59 - 265, 5 -$   
 $2^{\circ} 18' W$   $75, 3$   
 $190, 2$   
 $010, 3$   
 Night-SE wind clear  
 $3.5-4.04$   
 $- 3.10$   
 $3.5-0.5-4$   
 $3.44$   
 $3.47-10$

1913

May 20- at 3.42 P.M.

$7.34.10$  alt  $35.14$   $28^{\circ} 19' 46'' =$  Lat  $28^{\circ} 06' = 89.48$   
 $15-$   $81.40$   
 $1.33.53-$   $18 + 0.3 \times 6 + 1.8$   
 $28.24$   $18 + 1.6 \times 59 + 94.4$   
 $02.19$   $18 - 4.5 \times 14 - 63.0$   
 $5-5-50$   $69, 30$   
 $06.29$   $96, 2$   
 $4.37$  West  $33, 2$   
 $61.37$   
 $3.5-8-5-7$   
 $+ 33$   
 $3.5-9-3.0$   
 $3.40$   
 $3.5-8-5-0$

Very light wind from SE clear weather  
 Sunny

$3.59$   
 $2.42$   
 $1.17$



1912

May 21 = at 3.52 PM 8948  
 Lat 7.29.20 Alt 36.17 Hb = 20.11 L = 28.22 S = 3.5  
 + 1.1 -  
 7.29.05 -  
 28.26  
 7.57.31 L + 0.4 x 22 + 8.8  
 3.5-1.15 - S + 1.6 x 41 + 17.6  
 4.06.16 A - 4.6 x 17 - 78.2  
 26.4  
 5-1.8  
 67.34  
 0.5-1.3  
 20.09  
 28.22  
 3.5-6.02  
 - 5-1  
 3.5-5.11  
 - 3.5-6  
 3.5-1.15

Dead calm, Caught 6 Small Whales =

May 23 = at 3.55 PM 8548  
 Lat 7.28.50 Alt 36.17 Hb = 20.35 Latt 29.00 S = 3.5  
 1.5 -  
 7.28.35 - L + 0.3 x 10 + 0.3  
 1.28.27 S + 1.7 x 35 + 59.5  
 7.57.04 A - 4.6 x 17 - 78.2  
 3.5-2.40 59.8  
 4.04.24 12.4  
 67.06  
 0.5-5.26  
 - 1.8  
 3.5-6.08  
 - 3.28  
 3.5-2.40

Over 4 furlongs from E  
 Sea no boiling  
 in morning



1913

53

May 24 - at 3:35 - P.M.

17.10.38  
15-  
70.73  
28.31  
38.44  
37.01

alt 39:49 -  $\Delta$  = 30:46  $\Delta$  = 29:42

89.48

80.58

08.50

20.44

39.34

$\Delta + 0, 2 \times 42 + 8, 4$

$\Delta + 1, 7 \times 46 + 78, 2$

$\Delta - 4, 6 \times 49 - 225, 4$

07.73

60.25

60.25

8.6, 6

138, 8

018, 6

Senna

3.42.41  
- 2.18

3.40.23

3.22

3.37.01

May 25 - at 3:29 P.M.

7.06.55  
11-  
06.40  
28.32  
35.12  
40.23  
4.49

alt 39:13 =  $\Delta$  30:57 Lat 30:23

89.48

80.23

09.25

20.55

30.20

$\Delta + 0, 2 \times 23 + 4, 6$

$\Delta + 1, 8 \times 57 + 102, 6$

$\Delta - 4, 6 \times 13 - 59, 8$

107, 2

47, 4

58.42

Moderate Wind from  
SE and clear weather

Senna

3.42.54  
+ 4.7

3.43.41

- 3.18

3.40.23

22.5 = 27

2.18

10.6.7

20.50.35

2.26

22.50.12

823.19.25

1.88

3.17.40



1913

May 26<sup>th</sup> at 3.33<sup>pm</sup> 89.48

7.05.24	att 37.53	As 21.07	Lat 30.50	89.48
15-	10			09.43
7.05.12	38.03			21.06
28.34				30.49
7.33.46	Lat 38.00 + 15.0			
3.46.19	Lat 18.00 + 11.9			
3.47.27	Ac - 4.5 X 3 - 13.8			21.04.19
	26.9			3.09
	13.1			21.07.28

Long 56.57-W

Light Wind from SE  
clear Weather

Sun

May 27 at 3.38<sup>pm</sup> 89.48

6.57.35	att 38.34	As 21.18	Lat 30.46	89.48
15-				80.22
6.57.20				09.26
28.36				21.16
7.25.55	Lat 38.46 + 13.8			30.42
3.44.21	Lat 17.7 X 18 + 30.6			
3.47.36	Ac - 4.5 X 34 - 155.4			
	44.4			
	11.2			
	05.2			
Long 55.23W	41-15			3.47.26
	10 E			3.05
	5.5.23			3.44.21

Light SE Wind - clear Weather  
Sun



Large  
Whale

1913

May = 28 = at 3:22 PM

33.25 alt 41.5-8 21.27 Lat 31.45- 79.34

33.05-  
28.37  
07.42  
28.59  
32.43

$L + 0.1 \times 45 + 4.5$   
 $A + 1.8 \times 27 + 48.6$   
 $C - 4.5 \times 58 - 272.6$

89.48  
79.34  
10.14  
21.26  
39.40

Went to  
Wanderer

fresh breezes from

5-3.7  
219.5  
039  
3

3.35-3.6  
-3.39  
3.37-5.7  
2.5-8

3.58-5.9

May = 29 = at 3:40 P.M.

38.03 alt 40.37 Lat 32.32 78.5-6

34.48  
28.39  
06.27  
35.59  
30.28

$L + 0.1 \times 32 + 3.2$   
 $A + 2.0 \times 37 + 74.0$   
 $C - 4.7 \times 37 - 173.9$

89.48  
78.5-6  
10.5-2  
21.36  
32.28

May 5-2.37

77.2  
96.4  
36.6

3.40-2.6  
-1.36  
3.38-5.0  
2.5-1

3.35-5.9

Strong Southerly Wind  
rough sea, we caught  
Small Whale

Wanderer went out of sight



1913

May 30 at 3:38 PM 89.48  
 6.40.45 - alt 39-35-21.45 Dist 31.44/8.49  
 15-

6.40.39  
 28.47  
 7.09.71  
 3.41.23  
 3.27.48

L + 0.2 x 44 + 8.8  
 D + 2.0 x 46 + 92.0  
 Ob - 4.7 x 35 = 164.5

100.8  
 63.7  
 03.6

10.59  
 21.45

32.44

3.45.09  
 - 1.03

3.44.06  
 - 2.43

3.41.23

Long 5-1.5-7 West

Good breezes from South  
 Clear Weather

May 30 = 3:43 PM  
 6.46.33 - alt 38:22 Dist 21.45  
 28.47

7.15.18  
 3.47.07

L + 0.2 x 44 + 8.8  
 D + 2.0 x 46 + 92.0

3.28.77

Ob - 4.7 x 22 = 103.4

6.46.18  
 28.47

100.8  
 02.6

3.49.50  
 - 0

3.49.50  
 2.43

7.14.59  
 3.47.07

3.27.52

Summa

02  
 7  
 52.02

3.47.07

Long 5-1.5-8



1913

57

May 31 at 3:45 pm

22.40  
1.5-  
5-2.25-  
25.45  
21.08  
6.13  
4.5-5-

Alt 36.33 Lc 21.57 Lat 32.47 =

L + 0.3 x 47 + 14.1

L + 2.0 x 55 + 110.0

Ob - 4.7 x 33 - 155.7

124.1  
31.0

89.48  
78.49  
10.59  
21.54  
32.63

Long 51.13W

Fresh breeze from Southwesterly =

3.5-8.19  
- 31  
3.5-8.48  
2.35-  
3.5-6.13

5-8-46  
16-  
5-8-30  
28.44  
27.14  
04.09  
23.05-

June 1 at 3:58 P.M.

Alt 34.57 Lc 22.03 Lat 32.30

L + 0.5 x 30 + 15.0

L + 2.0 x 3 + 6.0

Ob - 4.8 x 57 - 273.6

21.0  
25-2.6  
212.0  
4

89.48  
79.74  
10.34  
22.02  
32.36

Long 50.45W

Fresh breeze from South West

4.10.47  
- 4.12  
4.0.5" 3.5-  
2.25  
4.0.4.09

22.00 5-2  
2.27  
22.03 19  
2.28 28  
2.5  
2.50 2.25 48



June 2 at 11.15 - 89.48  
 7.20.25 - alt 30:02 2622:10 = 132.00 79.46

7.20.10  
 28.46

7.48.56

4.27.44

3.27.12

$L + 0.7 \times 50 + 0.7$

$D + 2.0 \times 10 + 21.0$

$Q - 4.8 \times 27 = 9.6$

20.7  
 11.1

45-15-  
 5-3

5-0.18

100.2  
 22.10  
 32.12

4.29.49  
 + 1.1

4.30.00  
 2.16

4.27.44

Long 50:18 West

Light wind from  
 clear weather

June 3 at 3.30 PM  
 6.33.30 alt 40:20 2622:19. Lat 32:12

6.33.15  
 28.48

7.02.03

3.39.21

3.22.42

$L + 0.2 \times 12 + 2.4$

$D + 1.9 \times 19 + 36.1$

$Q - 4.7 \times 20 = 94.0$

38.5-

5-5.5-

3.42.23

-5-5

341.28

2.07

Long 50:40 W

3.39.21

Very light wind from

West and clear weather

Grayhound

Caught large whale Senna







1918

June 6 at 3.47 PM

6.5-1-20 alt 37.1 43 Se 22.39 = 33.00 89.4

5.5-1-05	6.403 34 00 +	01.3	89.4
2.8-05-3			79.2
17.1 9-5-8	20+20, 0X 39 +	78.0	10.2
3.6-30 12	20-4, 8X 43 -	200.4	22.3
3.26-46			33.0

Time 5-1:24 1/2 5-1:41 1/2 008 2

Very light Wind from SE

Very clear Weather Senna

June 7 at

6.45-5-5 alt 38.56 Se 22.0 45 = 32.0 34 89.48

6.45-5-5	6.40, 3X 34 +	10.2	79.45
2.8-5-5	18+1, 9X 45 +	85.5	10.03
7.7 4-35	18-4, 7X 56 -	263.2	22.47
3.47-38			32.47
3.26-57			

57.0 44 9 1/2 5-1.49 047 2

light wind from SE 3.47-38

clear weather Senna



1913

51

June 8<sup>th</sup> at 3.52 P.M. 89.48

26.25 - 35.03 = 22.54 = Lat 32.22 80.20

0.40  
8.56  
9.06  
7.36  
17.30

$L + 0.4 \times 22 + 8.8$   
 $A + 1.9 \times 57 + 95.9$   
 $A - 4.7 \times 3 - 14.1$

09.28  
22.50  
32.18

105.7  
91.6  
31.1

4.01.18  
+ 1.37  
402.49  
- 1.13  
401.36

57.52

Light Wind from S.E.  
Clear atmosphere

June 9<sup>th</sup> at 3.36 P.M. 89.48

33.20 - 41.08 = 22.56 Lat 32.37 80.06

33.06  
38.58  
2.03  
17.54  
24.09

$L + 0.2 \times 37 = 7.4$   
 $L + 1.9 \times 56 = 106.4$   
 $A - 4.7 \times 8 = -37.6$

09.43  
22.55  
32.38

+ 113.8  
076.2  
16.0

3.37.45  
+ 1.15  
3.38.55  
- 1.02  
3.37.54

51.02

Light Wind from S.E.  
Clear atmosphere

Sea a



1913

June 10 = at 4 10 P. m

7.10.5-3 at 32.46 Db=23.01 = 32.39 89.4  
15-

7.10.38  
29.00

2+0.7 x 39 + 27.3

80.09

09.39

7.39.38

2+2.0 x 1. + 2.0

23.00

4.18.16

4-4.8 x 46 = 220.8

32.39

3.21.22

27.3

50.20 W

191.5-

4.22.13

011.60

-3.11

Light Wind from  
SE and clear Weather

4.19.06

80

(Fought large Whale) Senna

4.18.16

June 11 = at 3.42 P. m

89.4

7.10.40 at 38.53 Db=23.06 = 32.48

50.00

6.41.25

2+0.4 x 48 + 19.2

09.47

29.01

70+1.9 x 6 + 11.4

23.04

7.10.26

4-4.7 x 53 = 249.1

32.51

3.49.29

45-14 30.6

3.5-3.43

3.20.57

5- 218.5-

-3.38

50.14 038.60

3.5-0.07

Long 50.14 = 11

Light Wind from S West  
Clear Weather =

-38

3.49.29

"Pioneer" and  
"Grayhound" in sight

Senna



1913

June 12 = at 3.32 P.M.  
6.34.33 alt 40.03 = 23.10 = 32.22 = 89.48  
15- 80.26

34.20  
29.83  
33.23  
44.48  
18.35  
9.38  
L + 3 x 22 + 6, 6  
D + 1.9 x 10 + 19, 0  
O - 4, 7 x 3 - 14, 1  
45-45- 25, 6  
4.10 11.5-  
49.05-5-

89.48  
80.26  
09.22  
23.08  
32.30  
3.44.17  
- 11  
3.44.28  
20  
3.44.48

Strong SW Wind clear  
Weather, we boiling  
T. Towner and Greyhound in sight

June 13 = at 3.42 P.M. 89.48  
9.05 alt 34.49 = 23.13 = 32.30 = 80.24  
15- 09.24  
23.12  
32.36

8.50  
7.05  
7.55  
1.19  
5.36  
9.39  
L + 6 x 30 + 18, 0  
D + 1.9 x 13 + 24, 7  
O - 4, 8 x 49 - 235, 2  
45-3- 42, 7  
4.9 192, 5  
49.39 012, 6  
3

89.48  
80.24  
09.24  
23.12  
32.36  
4.12.45  
- 3.12  
4.09.33  
14  
4.09.19

Fresh breeze from SW clear  
"T. Towner" and Greyhound in sight



1913

June 14<sup>th</sup> at 3.5-2 Pm 89:48  
 5.50.00 alt 36:37 2623.16 33.06 79:59  
 29.06

7.79.06 Lot 0, 5 x 64 3, 0  
 4.01.15 Lot 2, 0 x 164 32, 0  
 3.17.51 A-4, 8 x 37-177, 6

Long 49.° 27' N

35, 0  
 142, 6  
 022, 60

09.49  
 23.15  
 33.04  
 4.03.46  
 - 2.22  
 4.01.24  
 09

Moderate Wind from SW = 4.01.15  
 Clear Weather / S. Lumber in sight and  
 Greyhound in morning = Merchant Man bound  
 to Eastward June

June 15<sup>th</sup> at 3.46 P.M.

5.40.00 alt 38:19 = 2623.19 = 33.75

5.39.45 Lot 0, 4 x 164 6, 0 = 3.54.17  
 39.08 Lot 2, 0 x 194 38, 0  
 1.08.53 A-4, 8 x 19- 91, 2  
 3.53.36 44, 0  
 3.75.14 47, 2 3.53.36

48.49 Fresh breeze from SW  
 caught 3 Small Whales



Towner Chron  
48.47

1893

June 16 = at 3.43 P.M. 89.48  
30.28 at 40.22 Ab = 23.2 1/2 = 79.56  
15-

30.13  
29.10 + 0, 3 x 8 + 2, 4  
19.23 + 2, 0 x 21 + 42, 0  
4.00  
5.23 - 4, 8 x 22 = 105, 6  
44, 4  
61, 2

09.52  
23.20  
33.12

48.50 1/4  
48.47 = light clouded place  
Towner in sight

3.44.37  
- 1.07  
2.43.36  
24  
2.44.00

June 17 at 3.48 P.M. 89.48  
39.16 at 38.28 Ab = 23.23 = 79.59  
15-

39.01  
29.11 2 + 0, 4 x 0 + 0, 4  
08.12 2 + 3, 0 x 23 + 46, 0  
3.21 Ab - 4, 8 x 28 = 134, 4  
4.31  
48.43

09.49  
203.23  
33.12  
3.54.11  
- 1.28  
2.5-2.43  
38  
3.5-3.21

Strong breeze from SW =  
clear weather  
T. Towner in sight  
and "Greyhound"



June 18 - at 11.05 P.M.

$\begin{array}{r} 6.5-5-25- \\ 15- \\ \hline 5.5-5-10 \\ 29-13 \\ \hline 7.24.23 \\ 4.06.54 \\ \hline 3.17.29 \end{array}$	$\begin{array}{l} 20 + 0, 5 - \times 16 + 8, 0 \\ 20 + 0, 2 \times 25 + 5, 0 \\ 20 - 4, 8 \times 34 - 163, 2 \end{array}$	$\begin{array}{r} 89.4 \\ 79.45 \\ \hline 1.0.03 \\ 23.25 \\ \hline 33.28 \\ 4.03.33 \\ - 2.30 \\ \hline 4.06.04 \\ 5-0 \\ \hline 4.06.54 \end{array}$
--	---	--

$$\begin{array}{r} 13, 0 \\ 15-0 \\ 030 \end{array}$$

$$\begin{array}{r} 49.22 \\ 49.22 \end{array}$$

Light breeze from SW =  
 cloudy & freshening and 1 schooner in sight  
 in morning

$\begin{array}{r} 6.5-2-25- \\ 29-15- \\ \hline 7.24.40 \\ 4.06.45- \\ \hline 3.15.55- \\ \hline 1.8.58 \end{array}$	$\begin{array}{l} 20 + 0, 5 - \times 38 + 19, 0 \\ 20 + 2, 0 \times 26 + 52, 0 \\ 20 - 4, 8 \times 3 - 14, 4 \end{array}$	$\begin{array}{r} 89.4 \\ 79.5 \\ \hline 09.53 \\ 23.25 \\ \hline 33.23 \\ 15- \\ \hline 33.38 \\ 4.03.40 \\ + 5-0 \\ \hline 4.04.42 \\ 1.0.03 \\ \hline 05.45 \end{array}$
--	---	---

Light breeze from SW and clear weather  
 Greyhound and 1 schooner (and)  
 other schooner went out of sight  
 in morning



1913

June 20 at 4<sup>h</sup> 10<sup>m</sup> P.M.

$$\begin{array}{r}
 46^m 00 \\
 29^m 17 \\
 \hline
 15^m 17
 \end{array}
 \quad
 \begin{array}{l}
 alt\ 37^{\circ} 22' = \\
 \quad \quad \quad \frac{23^{\circ} 27' + 33^{\circ} 54'}{56^{\circ} 33'}
 \end{array}
 \quad
 \begin{array}{r}
 89^{\circ} 48' \\
 79^{\circ} 25' \\
 \hline
 10^{\circ} 22'
 \end{array}$$

$$\begin{array}{r}
 15^m 17 \\
 9^m 44 \\
 \hline
 5^m 33
 \end{array}
 \quad
 \begin{array}{l}
 Set\ 0, 4 \times 54 + 21, 6 \\
 alt\ + 2, 0 \times 27 + 54, 0 \\
 Ob - 4, 8 \times 22 = 105, 6 \\
 \hline
 75, 6 \\
 30, 0
 \end{array}
 \quad
 \begin{array}{r}
 10^{\circ} 22' \\
 23^{\circ} 27' \\
 \hline
 33^{\circ} 49'
 \end{array}$$

$$\begin{array}{r}
 48^m 53 = W \\
 \hline
 75, 6 \\
 30, 0
 \end{array}
 \quad
 \begin{array}{r}
 3^m 5-8^m 5-8 \\
 - 30 \\
 \hline
 3^m 5-8^m 28 \\
 + 1^m 16 \\
 \hline
 3^m 5-9^m 44
 \end{array}$$

Fresh breeze from SW. Clear atmosphere

$$\begin{array}{r}
 6^m 3-2^m 05- \\
 75- \\
 \hline
 5^m 105-0 \\
 29^m 18 \\
 27^m 08 \\
 05^m 17 \\
 \hline
 15^m 57 \\
 8^m 59
 \end{array}
 \quad
 \begin{array}{l}
 June = 21 = at\ 4^h 02^m P.M. \\
 alt\ 36^{\circ} 18' = \\
 \quad \quad \quad \frac{23^{\circ} 27' + 33^{\circ} 57'}{56^{\circ} 33'}
 \end{array}
 \quad
 \begin{array}{r}
 89^{\circ} 48' \\
 79^{\circ} 22' \\
 \hline
 10^{\circ} 26'
 \end{array}$$

$$\begin{array}{r}
 5^m 105-0 \\
 29^m 18 \\
 27^m 08 \\
 05^m 17 \\
 \hline
 15^m 57 \\
 8^m 59
 \end{array}
 \quad
 \begin{array}{l}
 Set\ 0, 5 \times 57 + 28, 5- \\
 alt\ + 2, 0 \times 27 + 54, 0 \\
 W - 4, 8 \times 18 = 86, 4 \\
 \hline
 82, 5- \\
 03, 9
 \end{array}
 \quad
 \begin{array}{r}
 10^{\circ} 26' \\
 23^{\circ} 27' \\
 \hline
 33^{\circ} 53'
 \end{array}$$

Fresh breeze from W Clear Weather

$$\begin{array}{r}
 = 4^m 03^m 46 \\
 - 4 \\
 \hline
 4^m 03^m 42 \\
 2^m 29 \\
 \hline
 4^m 05^m 11
 \end{array}$$



June 22 at 4<sup>h</sup> P.M.

alt. 17.45 - alt 34.50 = 16.23.27 = alt 33.41

6. 57.30	Lo + 0, 5 X 41+	24, 5	89.4
29.20			79.2
4. 26.50	Lo + 2, 0 X 27+	54, 0	10.2
4. 12.23	Lo - 4, 8 X 50-	240, 0	23.27
3. 14.27		78, 5	33.49
<u>48. 36</u>		161.24	4. 13.22
		47.6	- 2. 47
			4. 11.41
			1. 42
			4. 12.23

fresh breezes from S  
 SW clear weather

June 23 at 3.38 P.M.

alt. 35.45 - alt 40.05 = 16.23.37 = alt 33.24

6. 30.30	Lo + 0, 3 X 24+	7, 2	89.4
29.22			79.46
6. 59.52	Lo + 2, 0 X 27+	54, 0	10.0
3. 47.19	Lo - 4, 8 X 50-	24, 0	23.27
3. 12.43		61, 2	33.29
		37, 2	3. 44.37
			+ 3. 17
			3. 45.14
			1. 55
			3. 47.09

Long 48.10 45  
 Light and clear  
 Breeze from S  
 Windy and bright in  
 evening



June 24 at 3.5-1 P.M.  
38.12 at 38.43 Ab=23.25- at 33.28.

20  
37.52  
29.23  
07.15  
54.08

L + 0.4 x 28 + 11.2  
D + 3.0 x 25 + 52.0  
Ab - 4.8 x 43 = 206.4

3.54.11  
- 2.23  
3.51.48  
2.20  
3.54.08

13.07

48.16

48.16

53.2  
143.2  
023.60  
2

Caught large Whale

June 25 at 3.5-1 P.M. 89.48  
5-0 5-5- at 35.44 Ab=23.23 L=33.35 79.33

15-  
5.0.40  
29.27  
20.07  
08.44  
17.26

L + 0.5 x 35 + 18.0  
D + 2.0 x 23 + 46.0  
Ab - 4.8 x 44 = 211.2

10.15-  
23.24  
33.39  
89.48  
79.25-  
10.23  
23.23  
33.46

47.51

54.0  
147.2  
024.60  
2

Strong breezes from SW and clear weather  
Sunday

4.08 = 34  
- 2.21  
4.0 5.07  
2.34  
4.0 8.41



June 28 at 4:07 PM

$6.5-3.5-0$  alt  $35.46$   $16.23.18 = 0.233.035 = 89.48$   
 $1.5$   
 $6.5-3.85-$   $29.70$   $20 + 0.5 \times 35 + 18.0$   
 $7.22.45-$   $20 + 2.0 \times 18 + 36.0$   
 $4.08.45$   $40 - 4.8 \times 46 = 220.8$   
 $3.13.59$   
 $45-11-5-4,0$   
 $3 14 16 6 8$   
 $48.25 046$   
 $48.30$   $48.25$   
 $4.08.34$   
 $- 3.46$   
 $4.05.48$   
 $+ 2.5.8$   
 $4.08.46$   
 Fresh breeze from East with squall and rain

at 4:04 PM

$6.5-3.0-0$  alt  $33.52$   $16.23.15$   $33.05-$   
 $20$   
 $6.5-1.40$   $29.11$   $20 + 0.5 \times 6 + 2.5-$   
 $7.20.57$   $20 + 2.0 \times 15 + 30.0$   
 $4.08.08$   $40 - 4.8 \times 52 = 249.6$   
 $3.12.43$   
 $45-10$   $3 2.5-$   
 $48.10.45$   $3 10$   $21 7 1$   
 $037$   
 $4.08.34$   
 $- 3.34$   
 $4.04.54$   
 $3.17$   
 $4.08.08$

Very strong SW Wind  
 Shall large Whale didn't get any  
 Seem



1913

71

June 30 = at 3.56 P.M.

46.0.6 at 36.5-5.28 = 23.01 Lat 33.06

45.5-0  
29.12  
8.02  
3.03  
1.69

$L + 0.5 \times 3 = 2.5$

$D + 2.0 \times 11 = 22.0$

$CA - 4.8 \times 56 = 268.8$

24.5-  
24.43  
10.400

mg 47.059.45

89.48  
79.47  
10.01  
33.12  
33.13

4.03.46  
- 4.04  
3.59.42  
3.21

Strong breeze from S.W. = 4.03.03  
= clear atmosphere  
Greenland in sight

July 1st at 3.41 P.M. 31-46  
15- at 39.12 Lat 23.08 Lat 33.10

35.30  
29.14  
4.44  
2.21  
2.23

$L + 0.3 \times 10 = 3.0$

$D + 2.0 \times 8 = 16.0$

$CA - 4.8 \times 12 = 57.6$

19.0  
3.81

mg 48.05.45

89.48  
79.57  
09.57  
23.08  
33.06  
3.48.46  
+ 3.35  
3.52.21

Very strong breeze from S.W.  
and squalls  
"Bertha Wickerson" in sight  
Greenland



1912

July 6 at 3.33 P.M.

6.14.25<sup>on</sup> alt 42.33 Lc=22.51 Lat 33.08

6.14.10  
29.43  
6.43.52  
3.36.22  
3.07.30

L + 0, 1 + 8 + 0, 8  
D + 2, 0 + 51 + 102, 0  
O - 4, 8 x 33 - 15-8, 4

89.4  
79.3  
10.1  
22.50  
33.03  
L m  
3.33.03

Long 46.52W = 45-45-5-5, 6

6.14.10  
29.18  
6.43.28  
3.36.22  
3.07.06

46.52  
L strong breeze at first  
SW and squally weather  
46.46W we sailing

3.32.08  
4.11.4  
3.36.22

July 5 = at 3.45 P.M.

6.31.5-5- alt 38.53 Lc 22.43 Lat 33.07

6.31.40  
29.19  
7.00.59  
3.53.52  
3.07.07

L + 0, 3 x 7 + 2.1  
D + 2, 0 x 43 + 36, 0  
O - 4, 8 x 53 - 25-4, 4

87.48  
79.35  
10.13  
22.44  
32.55  
33.07

Long 46.47W

45-45-8 8, 1  
16 6 3  
04 6 60  
2

3.32.09  
- 24.45  
3.49.23  
4.29  
3.53.52

W. J. Bennett



July 7<sup>th</sup> at 3.40 PM

30.35-  
15-  
30.20  
29.21  
59.41  
49.45  
10.26

alt 39.5-10 22.36 L 35.30 79.0

Let 0, 2 x 30 + 6, 0  
M + 2, 0 x 36 + 72, 0  
Ao - 4, 8 x 57 - 244, 8

89.48  
10.44  
25.38  
33.22

45-30 78.0  
2 6 166.8  
046.00

3.47.22  
- 2.45  
3.44.35  
4.39  
3.49.15-

47.36

47.36

L.H. Penna

July 8<sup>th</sup> at 3.40 PM

40.5-3  
16  
0.37  
9.24  
9.5-9  
6.33  
3.26

alt 38.10 22.30 L 33.44

Let 0, 3 x 44 + 13, 2  
M + 2, 0 x 30 + 60, 0  
Ao - 48 x 10 - 480, 0

89.48  
78.35-  
11.13  
22.31  
33.44

3.5-2.09  
- 2.5-  
3.5-1.44  
4.49

48.2

a.  
Fair weather  
Caught 2 young vults

3.6-6.33



July = 9 = at 4:10 P.M.

W. 59.35 - 34.21 A. 22.23 S. 33.59 78.10

5.59.20	R + 0.8 - x 5.9	29.5	11.3
29.23	D + 2.7 x 23+	48.3	22.2
7.28.43	CB - 4.8 x 21 -	100.8	33.5
4.16.53		47.8	4.11.17
3.12.50		23.0	- 23

48: 12 1/2 Light Wind from SW - at noon  
we finished cutting whale starting in  
Sun

July 10 at 3.52 P.M.

W. 41.55 - 37.59 S. 22.15 L. 33.50 =

41.40	R + 0.3 x 50 +	15.0	8.9.4
29.24	D + 2.0 x 16 +	30.0	78.1
7.11.04	CB - 4.8 x 55 -	283.2	11.3
3.58.55		46.14 41 - 45.0	22.18
3.12.59		3	33.5
48: 14 3/4		48.14.41 - 238.2	3.5.6.5
		0.5.8 (60)	- 3.5.9
		3	3.5.2.5

Very light Wind from  
SW (and) clear Weather  
We finished boating  
Sun

5.30  
60  
330 13  
030 110  
000

3.5.2.5  
5.0  
3 5.8 0 3



July = 11 = at 4 P.M.

00 44	at 33:50	at 22:8	at 34:16	89.48
15-				77.42
00:32	2+0,50x16+	8,0		12.06
29.26	2+2,20x8+	17,6		22.10
29.58	A-4,9x5-0-	245,0		34.16
18.16				
11.42	45-46-	25,6		
	2 10	2 15-4		
	47.5-5-	0 3 5-60		
		3		

47.5-5-W =

Very light wind  
from SE and clear  
atmosphere = Sunna

416.36
- 3.36-
413.01
+ 5.15-
418.16

July 12 = at 4:15 P.M.

56.13	at 34.16	at 21:59	at 34:38	89.48
15-				77.45
55.58	2+0.4x38+	15,2		12.33
29.26	2+2,1x59+	123,9		22.02
6.24	A-4,8x11-	52,8		34.35-
6.10				
9.14	149,1			4.09.11
	96,3			+ 1.36
	36.60			413.47
47.18 W				- 5.23

Very light wind from  
SE and clear atmosphere

413.47
- 5.23
416.10



1913

July 13 at 4.07 PM  
 On 5-3-12 at 33.50 Lb = 21.57 - 77.1  
 15-

On 5-2-57 Lb + 0, 4 x 25-+ 10, 0  
 29-27 Lb + 2, 2 x 5-1+ 112, 2  
 7-22-24 Lb - 4, 8 x 5-0- 24 07 0  
 4-17-5-5- 41-7  
 3, 0 4-29 1 2 2, 0  
 1 1 8, 0  
 0 5-8 100

46-07 West

vine leaves from  
 SW over clear weather  
 Merchant men in night bound to sea

87.4  
 12-3  
 21-5  
 34-2  
 4-14-2  
 -1-5  
 4-12-2  
 5-3  
 4-17-5

July 15 at PM 4.09  
 On 34-15- at 37.16 Lb 21.33 Lb 34.37 7.38  
 75-

On 34-10 Lb + 0, 1 x 3+ 0, 3  
 29-30 Lb + 2, 27 33+ 42, 6  
 7-03-40 Lb - 4, 8 x 16- 76, 8  
 4-00-47 72, 9  
 3, 0 2-5-9 3, 9

Long 45-44 W

Gentle breeze from  
 W clear weather  
 Emma

1210  
 21-35  
 33-45  
 73  
 34-03  
 3-5-5-02  
 -0-03  
 3-5-4-5-9  
 + 5-542  
 4-00-41



July = 16 = at 9.42

25-5-5- at 39.05- at 24.23-  
16-

25-40  
29-31  
5-4 11  
4-40  
3-31  
B + 0.0 x 17 + 1.7  
D + 2.2 x 23 + 50.6  
H - 4.8 x 5 - 24.6  
5-2, 3  
2 7, 7

89.48  
76.56  
12.52  
27.25  
34.17

15-5-23/4  
Moderate Wind from  
SW and clear weather  
Caught large Whale  
Finna

3.45-33  
+ 27  
3.45-45-0  
5-45-0  
3.51-040

July 17 = at 4.05 P.M. 89.48

43.10 at 35-30 at 21-13 at 34.18  
16-

42-5-8-  
29-33  
12-28  
18-47  
3-47  
5-0 5-5-  
L + 0.20 x 18 + 3.6  
D + 2.3 x 13 + 28.6  
H - 4.8 x 30 - 144.0  
41-45-  
10  
4 5-5-  
3 2, 2  
1 1 1, 8  
0 5-0 (60  
1

13-05-  
21-15-  
34.20  
4-04-42  
- 1-8-0  
4-2-5-2  
5-5-5-  
4-08-47

Strong SW Wind, Squally We boiling  
Amen ha



July 18 at 4043

Obs 6.21.00 at 40.33 = 26 = 21.003

89.4  
76.47

6.49.34 R + 0.0 X 8 + 0.8  
3.44.01 D + 2.3 X 3 + 6.6  
3.40.33 A - 4.8 X 33 - 158.4

13.07  
21.05  
34.06

46.23

15-11-  
18  
7.4  
15-11-0  
03 / 60  
2

34.08  
3.40.33  
- 2.31

Fresh breezes from  
SW and fresh weather  
during

3.38.02  
5.45.9  
3.44.07

July 19 at 3657 PM

Obs 6.36.00 at 37.26 = 20.52 Lat 34.03

89.4  
76.47

6.35.45- Lat + 0.70 X 3 + 0.3  
29.35- D + 2.3 X 52 + 119.6  
7.05.20 A - 4.8 X 26 - 124.8

13.05  
20.54  
33.59

3.06.33

45-30  
18  
119.9  
004.9

3.5-2.47  
- 4

46.38.11

46.38

3.5-2.43  
6.04

Wellbated wind from  
SW

3.58.47



July = 20 = at 3.49 P.M.

$6^{\circ} 29' 00''$  alt  $38^{\circ} 22'$   $56^{\circ} 20' 41''$  =  $34^{\circ} 02'$   $89^{\circ} 48'$   
 $29^{\circ} 35'$   
 $5^{\circ} 58' 36''$   $L - 0, 1 \times 2 =$   $8, 2$   
 $5^{\circ} 3' 51''$   $H + 2, 2 \times 41 =$   $90, 2$   
 $04^{\circ} 45'$   $C - 4, 3 \times 22 =$   $105, 5$   
Long  $46^{\circ} 11' W$   $105, 8$   $3.47.5-8$   
 $15, 6$   $15-$

Very light wind from SW and clear weather  $3.5-3-5-1$

July = 21 = at 3.44 P.M.  $89^{\circ} 48'$   
 $76^{\circ} 13'$

$26^{\circ} 26'$  alt  $38^{\circ} 59'$   $56^{\circ} 20' 30''$   $34^{\circ} 24'$   $89^{\circ} 48'$   
 $15-$   $L - 0, 1 \times 27 =$   $2, 7$   $76^{\circ} 13'$   
 $5^{\circ} 11'$   $D + 2, 2 \times 30 + 66, 0$   $15-35-$   
 $9^{\circ} 37'$   $C - 4, 8 \times 59 = 283, 2$   $15-35-$   
 $6^{\circ} 48'$   $286, 9$   $34^{\circ} 24'$   
 $3^{\circ} 30'$   $215, 9$   $20^{\circ} 32'$   
 $5^{\circ} 18'$   $035, 50$   $34^{\circ} 07'$   
 $3$   $34, 27$   $20$   
 $347, 5-8$   
 $3, 39$   
 $3.44.19$   
 $6.11$

Long  $46^{\circ} 19' W$

Fresh breeze from SW clear atmosphere  $3.5-0-3-0$



July 22 at 3.50 P.M.

$6.37.45$   
 $18$   
 $6.37.30$   
 $29.39$   
 $7.07.09$   
 $4.07.42$   
 $3.05.27$   
 $L + 0.1 \times 15 + 1.5$   
 $D + 2.3 \times 18 + 41.4$   
 $Ob - 4.8 \times 36 - 172.8$   
 $42.9$   
 $129.9$   
 $009 \frac{1}{2}$

$89.4$   
 $75.0$   
 $13.4$   
 $20.20$   
 $34.03$   
 $3.3-7.37$   
 $-2.09$   
 $3.55.28$   
 $+6.14$   
 $4.1.42$

Long 46.0 21.11

Time weather fresh breeze from W and clear weather

July 23 at

P.M. 89.48

$Lb = 19.57.22 = 3 \frac{1}{4}$   
 $3.57$   
 $19.53.46$   
 $217$   
 $0373$   
 $6.17.14 = 06 \frac{1}{4}$   
 $42$   
 $16.17.56$   
 $427$

$2.5.4$   
 $9.2$   
 $77.5$   
 $12.47$   
 $48$   
 $12$   
 $36$   
 $89.48$   
 $75.15$   
 $14.33$   
 $19.56$   
 $34.29$



1713

July 24 at 3-5-5- P.M.  
Lat 35° 37' 15" Long 124° 19' 54" East 34° 29' 2"

36.22  
29.44  
5.0.3  
5.11.0  
0.47

L-0, 1x29- 2,9  
D+2, 3x5-4+ 2x24.2  
Ob-4, 8x40- 192, 0

4.00.08  
- 1.10  
3.58.58  
6.18  
4.05.16

mag 5-12H 45-12

194.9  
07.02  
160

Caught large Whale  
light NE Wind Clear Weather

July 25 at 3-5-8 89.48  
Lat 33° 44' 00" Long 124° 41' 00" East 34° 47' 00" 74.45

6.44.00  
29.42  
7.13.42  
7.14.14

S+0, 1x47+ 4.7  
D+2, 3x41+ 94.3  
Ob-4, 8x44-211.2

7.50.3  
19.44  
34.47  
4.09.44  
- 1.52

mag 44:52 H

99.0  
17.2  
0.5-2

4.07.55  
6.19  
7.14.14

Spoke to gutters with

Mistick 46.15  
All sight



July - 26 at 4.17.5

4.09.21 alt 28.19 Lb = 19.28 =

89.48

74.10

15.38

19.30

35.08

4.09.06

29.43

L + 0.4 x 19 + 7.6

D + 2.3 x 28 + 64.4

4.38.49

A - 4.8 x 19 - 91.2

4.39.58

72.0

4.33.58

2.58.61

78.2

- 19

44.43

Light Wind from NE clear

4.33.39

6.19

Chase large whale  
didn't get

Whale in sight

4.39.58

2<sup>nd</sup> mate died at 1030 P.M.

July = 28 at 2.37 P.M.

5.22.40

alt 37.05 Lb 19.07 Lat 34.50

15-

L - 0.1 x 50 - 5.0

5.22.25

29.46

D + 2.3 x 1 + 2.3

3.51.25

5.52.11

A - 4.8 x 5 - 24.0

3.56.41

3.45.13

29.0

3.50.23

2.55.30

13.45.13

6.7

6.18

43.52.44

43.52

3.56.41

Light Wind from SE clear  
mister in sight 1 Whaling Boat also in sight



July 29 = at 3<sup>h</sup> 53 P.M.

83

28.11 att 36.06 - 26 = 18.47 = 57.25 - 24.77 = 48

27.56

29.47

27.43

2.31

4.12

2-0, 3 x 24 = 7.2

18 + 2.5 x 47 + 11.7, 5-

10 - 4, 9 x 5 = 24.5-

3 1.7

8 6.3 8

2 5.6

44.18

Very light wind from S.E. clear

73.04

16.44

18.60

35.34

3 1.7

3 1.7

3.5-2.48

+ 1.25-

3.5-4.13

6.18

July 30 at 4.05 - 4.00 = 37

41.11 att 36.44 26 18:32 2-35.00 = 89.48

40.53-

29.48

10.43

11.22

5.9.21

4.05-0

2-0, 0 x 00 = 0.0

10 + 2.5 x 32 + 8.0, 0

26 - 4, 9 x 45 = 22.19 5-

2.44

14.1-

24.60

76.34

18.36

35.07

4.07.27

- 2.20

4.05.07

6.15-

4.11.22

fresh breezes from S.E. and squalls

Myrtles in sight to the landward

Dennis 18.36.34 = 36

18.32.27

2.5.20

1.2.20

1.2.20



July = 31 = at 3.57 P.M.

G 35.5-6 at 35.12 to 18:18 L 34.38 89.4  
 15- 73.29

G. 3.6-47	L- 0.1 x 38- 3.8	76.19
29.449	10+ 2.3 x 18+ 41.4	18.21
7.05.30	00- 4.8 x 2- 9.6	34.40
4.04.29	41-11- 13.4	
3.01.01	48.11- 28.0	

45.15 15 9/16

Grass breeze from SE  
 and clear "Mystic"  
 in sight  
 Breeze

3.6-7.48  
 + 28  
 3.58.16  
 6.13  
 4.04.29

August 10 = 4.14 P.M. 89.48

G 35-4.03 at 31.04 to 18.02 L 34.52 72.55  
 15- 76.52

G. 3.3.45	L+ 0.1 x 5-2 + 5.2	18.06
29.57	10+ 2.4 x 2 + 4.8	34.58
7.3.39	A- 4.8 x 4- 19.2	
4.23.07	10.0	4.17.06
3.01.32	09.2	- 9

45.08 W

44.14  
 44.40  
 2.6

4.16.54  
 6.10  
 4.23.07



August 2 = at 3.55 PM

30.40 alt 33.46  $\Delta = 17.148$  34.35 89.48  
75

8.25- 8- 0.1 x 35- 3.5-  
9.5-2 8+ 2.4 x 48+ 115.2  
8.14  
09.34 10- 4.8 x 46- 220.8  
224.3

8.43 20.30 109.1  
44.0.4.0 W 14.10 0.29 16  
44.40

Light Wind from W = 4.03 to 1.5-  
Near Schoner in sight  
to the Westward Spun  
large whale going to theeward

August 4 at 3.40 PM 89.48  
20.05- alt 37.19  $\Delta = 17.16$  34.36 72.36  
75

79.50 8- 0.4 x 36- 14.4  
29.54 8+ 2.4 x 16+ 38.4  
49.44 10- 4.8 x 19- 93.1  
10.03  
9.47 30 46-  
4.5-5- 14 10  
44.5-6- 44.5-6-  
107.5-  
69.36  
39.36

3.45- 4.5- 5.5- 6.5- 7.5-  
- 1.39  
3.44-0.5  
5.37  
9.50-0.3

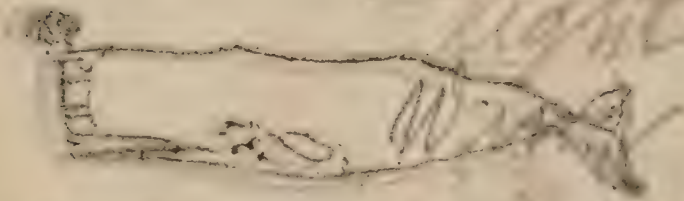


August 5 = 4 1/2 11 PM

G. 51.20 att 30.46 = 89.48  
 15 72.18

G. 51.05- L+ 0.1x40+ 48.5 17.30  
 29.56 L+ 2.4x00+ 2.4 17.04  
 721.01 A- 4.8x46- 220.8 34.40

4.21.49 30 45- 6.4  
 2.59.12 14 3 214.4 4.19.32  
 44.48 44.48 234.00 + 3.34



Caught large whale  
 light belly  
 4.15.58  
 5.5.1  
 4.21.49

August 6 at 3.35 P.M. 89.48

G. 18.02 att 31.28 = 89.16.44 att 34.33 72.02

G. 17.47 29.57 L- 0.5x33- 16.5 17.46  
 16.47 34.33

G. 47.44 L+ 2.5x44+ 110.0  
 3.48.19 A- 4.9x28- 137.2 = 3.43.17

2.59.25 153.7  
 44.51 W 43.5- 3.43.34  
 5.4.5-

Calm all day  
 no cutting whale  
 Senora

3.48.19



August 7

19.10 at 36.5-6.56=16.27 P. 34.38 1.43

18.50 L-0.4x36- 14.4  
29.58 L+2.5x27+ 67.5- 34.36  
28.48 A-4.9x66- 274.4

58.53 288.8 3.48.08  
44.43 221.3 - 3.87  
44.43 05-160 3.44.17  
5-38  
3.49.53-  
had calm all day  
Weberling June

August 8 at 35.5- P. 89.48

36.5-3 at 33.05-56=16.10 P. 34.45 71.23

36.38 L-0.2x45- 9.0  
29.59 L+2.4x10+ 24.0  
06.37 A-4.8x5- 24.0  
08.00 3.3.0  
58.07 09.0  
4.02.20

44.39 Calm with light SW Wind, clear Atmosphere  
June



*August 1st at 3.35*

*Chet 11.11 alt 37.44 = 2616.36  $\sqrt{34.057} = 89.4$*

<i>6.10.55</i>	<i>Se - 0, 6 x 57 -</i>	<i>34.20</i>	<i>78.44</i>
<i>30.07</i>	<i>D + 2, 5 x 36 +</i>	<i>90.0</i>	<i>15.57</i>
<i>6.40.57</i>	<i>Ac - 4, 9 x 44 -</i>	<i>216.6</i>	<i>34.47</i>
<i>3.43.22</i>			<i>89.48</i>
<i>2.45.7.3.6-</i>		<i>249.8</i>	<i>70.43</i>

*Temp 44.2 f =*

*South breeze from  
SW and clear weather  
"Wickerson" in sight  
Lunch*

*34.46*  
*11*  
*34.57*  
*340.47*  
*- 2.39*  
*3.380.08*  
*5.14*  
*3.430.22*

*Aug 1st 11.2 at 4.02 PM*  
*6.45.14 alt 30.34 Lc 15.18 Siff 34.25-*

<i>6.44.58</i>	<i>Se - 0, 2 x 25 -</i>	<i>55.0</i>	<i>474.39</i>
<i>30.03</i>	<i>D + 2, 5 x 18 +</i>	<i>48.0</i>	<i>- 2.03</i>
<i>7.15.02</i>	<i>Sp - 4, 8 x 34 -</i>	<i>163.2</i>	
<i>4.17.41</i>			<i>4.12.36</i>

*57.27*

*44.20 Caught*

*Large (Hale) Lure*

*168.2*  
*123.2*  
*003.60*  
*4.17.41*



August 12 = at 436 P.M.

23.30  
15-  
23.15  
30 04  
53.19  
56.52  
56.24  
44.04

Ob 34:40 Se = 15.00  
L-074x26-10.4  
D+245x00+295-  
Ob-439x40-195.0

89.48  
34.25  
19.22  
15.04  
34.26  
3.55-19.  
3.23  
3.51-5-6  
4.45-6  
56.52

Light Wind from  
SW and heavy weather  
No Cetacean Whales

28  
16  
44

5.4.41-

August 13 = at 3.33 P.M.

6.04.23  
30.45-  
34.28  
40.22  
54.06  
43.31  
43.31

Ob 37:48 Se 14.043 = Lat 34.46 =  
L-074x46-32.2  
D+376x43+111.8  
Ob-479x48-235.2

3.38.12  
2.35-  
3.36.37  
4.45-  
3.40.22

Light breeze from SW clear



1913  
August 14 = at 3.32 P.M.

Lat 6.02<sup>m</sup> 12<sup>m</sup> at 36.40 = Ab 14.24 = 34.50 69.24

6.01.57 <u>30.06</u>	Lat - 0.7 X 50 = 35.0	89.48 <u>20.19</u>
6.32.03	D + 2.6 X 24 = 62.4	<u>14.24</u>
3.44.57	Ab - 4.9 X 40 = 196.0	34.46
<u>2.47.12</u>	<u>237.0</u>	L m

141.48	168.6	3.43.05
	<u>148</u>	- 2.48
	2	<u>3.40.57</u>
		4.34
		<u>3.44.51</u>

Light SW Wind  
Clear

August 15 at 3.43 P.M. 89.48

Lat 6.06.45 at 33.5-6 Ab 14.0 55 Lat 31.048 = 68.19

6.05.30 <u>30.07</u>	Lat - 0.5 X 48 = 24.0	21.37
6.36.37	D + 3.7 X 5 = 13.5	<u>14.09</u>
3.56.49	Ab - 4.9 X 56 = 274.4	25.40
<u>2.39.48</u>	<u>298.4</u>	

Strong 39.0 57 West	284.9	3.5-7.10
	<u>044</u>	- 4.44
	4	<u>3.5-2.26</u>
		4.23
		<u>3.5-6.49</u>

Light Wind from SW  
and clear weather  
Merchant man in sight bound to  
Eastward



August 16 at 2.48 PM

10.53 alt 31.42 36.00 =

10.53  
31.42  
36.00  
4.40

$L = 0.6 \times 0.0 = 0.6$   
 $H + 2.8 \times 46 + 123.8$   
 $Ce - 55.0 \times 49 = 240.0$   
 $240.5$   
 $11.1$   
 $0.5-0.00$

89.48  
67.38  
22.10  
13.60  
36.00  
4.03.44  
1.50  
4.01.57  
4.10  
4.06.07

Very light wind from SW and  
clear weather

August 17 at 3.40 PM 89.48

48.48 alt 35.16 36.45 =

48.48  
35.16  
36.45  
47.00  
31.43

$L = 0.9 \times 54 = 48.6$   
 $H + 2.9 \times 28 + 81.2$   
 $Ce - 55.0 \times 16 = 80.0$   
 $30.45$   
 $7.90$   
 $37.55$   
 $38.04$   
 $7.09$   
 $38.45$   
 $4.18$   
 $34.56$

89.48  
66.45  
23.03  
13.31  
36.34  
36.54  
3.43.48  
4.7  
3.43.07  
3.69

Long 38.06

Steamer 38.04  
0.08 miles

Long by Steamer 38.4 at noon



August 18 at 3:27 PM

5-31-24 alt 36.55-26-13-09 Lat 37-40-89.4

5.37.09	20.11	5-19.1X40-	44.0	65.2
6.01.20	3.36.33	2+3.0X9+	27.0	24.19
2.24.47		2-5.2X55-	286.0	13.72
		2.8	11.46	37.37
		3.6	11.45	

36° 12' 44" Strong Westerly Wind  
 & Squally & Rainy

August 19 at 5:50 PM 89.48

5.46.38 alt 36:36 26 12:49 Lat 37.35 = 68.04

5.46.38	30.59	5-07.9X38-	34.2	24.44
6.97.14	3.57.33	2+3.0X49+	147.0	12.53
2.19.41		2-5.1X35-	183.6	37.37
34.5-5-			217.8	2.5-5-10
			070.8	1.70
			10.00	3.54.00
				3.33
				5.7.33

Very light Wind from  
 NE and clear Weather  
 Sunday



August 20 = at 3.40 P.M.

$\phi = 5^{\circ} 37' 50''$  alt  $= 33^{\circ} 13'$   $\delta = 12^{\circ} 30'$   $\alpha = 37^{\circ} 5-8$

$5^{\circ} 37' 50''$	$L - 1.0 \times 58 -$	$5^{\circ} 8, 0$	$89.48$
$38.00$			$64.29$
$08.35$	$D + 3.0 \times 304$	$90, 0$	$25.19$
$5-2.48$			$13.33$
$15.47$	$A - 5.1 \times 13 -$	$66, 3$	$37.52$

ing  $33^{\circ} 55'$  West -  
ought - wind from NW clear

August 21 = at 3.27 P.M.

$\phi = 5^{\circ} 14' 00''$  alt  $= 36^{\circ} 3-5$   $\delta = 12^{\circ} 10'$   $\alpha = 37^{\circ} 5-3$

$5^{\circ} 14' 00''$	$L - 1.2 \times 53 -$	$53, 6$	$89.48$
$31.02$			$64.11$
$45.02$	$D + 3.1 \times 104$	$31, 0$	$25.37$
$32.30$			$12.13$
$72.32$	$A - 5.2 \times 55 -$	$286, 0$	$37.50$

$3^{\circ} 08'$   
 $349.6$   
 $318.6$   
 $018.6$   
 $5-$

Very light wind from NE clear weather



August 22<sup>nd</sup> 3<sup>rd</sup> 40 Pm  
 5.32.20 alt 32° 36' H=11.50 alt 38° 28' 89.4  
 15- 63.1

5.32.05-  
 31.04

S - 1.1 x 28 - 30.8

38.2

5.03.09

D + 3.20 x 50 + 160.0

6

3.52.59

A - 5.2 x 36 -

187.2

3.57.07

2.10.10

218.0

- 58

32° 32' 1/2  
 Long 32° 32' 1/2

058.0

3.50.09

2.50

Very light wind with  
 calm smoky sun

3.52.59

August 23<sup>rd</sup> (2<sup>nd</sup> 31 Pm 89.4

5.17.06  
 15-

alt 34° 16' H=11.29 alt 38° 30' 89.4

5.16.51  
 31.08

S - 1.3 x 30 -

39.0

11.3

5.47.56

D + 3.2 x 22 +

92.8

38.2

3.39.20

A - 5.3 x 38 -

291.5

3.40.4

2.08.35

2.4

330.5

3.5

32° 09'

32.9

237.6

3.56.4

Very light wind with  
 merchant bark in sight

3.57.2

sun



August 24 - at 3.35 P.M. 89.48

29.61 alt 31.5-2 86-11.09 = 38.16 = 62.46-

15-  
29.36  
1.07  
0.43  
4.19  
6.24

L-150 x 15- 15.0  
I+3.2 x 9+ 38.8  
A-5.2 x 52- 270.4

27.03  
11.13  
38.16  
3.55.17  
-4.17  
3.52.00  
2.19  
3.54.19

mg 31.35 W=

Very light wind from NE  
and calm Merchantmen in sight

286.4  
25.7  
017.4

August 25 - at 3.27 P.M. 89.48

06.18 alt 35.37 88-10.48 = 38.19 = 62.26

11-  
5.03  
1.04  
7.72  
3.07  
4.05-

L-1.5 x 19- 28.5-  
I+3.4 x 48+ 160.2  
A-5.3 x 37- 196.1

27.22  
10.52  
38.14

mg 31.01 West

fresh breezes from  
West  
Merchantmen in sight  
barns East

3.32.18 =  
-1.04  
3.31.04  
2.05  
3.33.07

224.6  
064.4



Waltham

contrary name

Tuesday October 4 at 3.48

P.M.

\* 4. 37. 10 alt 25. 45 - 56. 5. 28 = Lat 38. 23 =

15-

4. 35. 55  
29. 77

Lo-2, 9 x 23 = - 66, 7

3. 30. 35  
- 4. 28

5. 06. 22  
3. 11. 02

D-4, 3 x 28 = - 120, 4

Ob-5, 8 x 45 = - 261, 0

3. 23. 07  
12. 05

7. 55. 20

448, 1  
028, 6

3. 11. 02

28. 50 West

7

x 3. 42. 00

15-

Frodoham = at 3. 12 P.M.

alt 25. 02 Db=5. 28 Lat 38. 23 =

3. 47. 45

7. 27. 58

5. 09. 43

3. 16. 12

Lo-2, 9 x 23 = - 66, 7

D-4, 3 x 28 = - 120, 4

Ob-5, 8 x 70 = - 11, 6

3. 30. 35

- 3. 18

7. 54. 37

198, 7

3. 27. 77

28. 37

018, 6

- 12. 05

Good night

15-34

18

25. 37

50

3

3. 18. 72



33.29  
33.03  
01.26

October 9 = 1913 at 3.12 PM

1/2 m 1st  
32.12  
15-

alt 26.48 sb=6.13 dist 34.4889.48  
46.29

37.57  
28.21  
00.18  
19.57  
+8.27

L-2.6 x 48 = 124.8  
D-3.8 x 13 = 49.4  
O-5.5 x 48 = 264.0

43.1 9A  
5.468  
37.33

438.2  
018.62  
9

89.48  
48.36

17.007 W

11-07  
12  
27.07

41.12  
6.09

Strong NW Wind  
squally

3.31.47  
- 7.18  
3.24.29  
72.38  
3.11.51

35.03  
1.1-  
34.48

Oct 10 at 3.5-7 PM 89.48  
alt 23.07 sb=6.35 dist 33.17 49.48  
40.00  
6.31

5.1.10  
28.33  
79.43  
33.57  
45.44

L-2.2 x 17 = 37.4  
D-3.4 x 36 = 122.4  
O-5.3 x 7 = 37.1

33.29  
1.2  
33.17

196.9  
016.60  
3

5.5-0.60  
- 3.16

26.26 W

11-11-  
11 11  
26.26

3.46.54  
12.5-5-

Moderate SW Wind  
Clear Weather

3.33.5-9



1913

Oct 11 = at 3.36 PM = 89.48

3.29.08 at 26.5-2 = 26.5-8 Batt 2/40 51.02

3.28.50  
1.28.45  
4.37.35  
3.16.31  
7.40.58

28-2, 3 x 40 = - 92, 0  
D-3, 8 x 58 = - 188, 1  
Ac-6, 2 x 52 = - 270, 4

38.46  
6.5-4  
37.57.2  
37.40  
3.38.56  
7.10

25.1H

Light Wind from West  
Clear Weather =

3.29.46  
13.09  
3.16.37

October 12 = at 3.44 PM 89.4

3.36.50 at 24.74 86.74 31.25 = 52.07

3.36.36  
1.28.56  
5.05.31  
3.31.37  
1.33.54

28-2, 1 x 25 = - 5-2, 5-  
D-3, 1 x 21 = - 65, 1  
Ac-55.0 x 14 = 707.0

37.47  
07.17  
30.30

23.28W

Strong Southerly Wind  
Clear Weather

3.48.09  
- 3.07  
3.45.02  
73.25  
3.31.47

Gamma



October = 13 = 3<sup>h</sup> 33 PM

27.43	at 25.20	to 7.44 =	29.40 =	5.2.25-	89.48
27.23				37.23	
29.08				7.40	
5.6.31	S <sub>0</sub> - 2, 1 x 40 =	84, 0		29.43	
26.16	"S <sub>0</sub> - 3, 0 x 44 =	132, 0			
30.15-	"A <sub>0</sub> - 5, 0 x 20 =	100, 0		3.45-114	
22.33.46-				- 5746	
		376.0		3.39.55-	
		016.60		13.39	
				3.26.16	

fresh breeze from  
= S.W. clear weather =  
merchant Bartlett's

37.6-3	October 14 = at 3.5-7	89.48
16-	at 23.24 to 8.05	82.33
37.38		29.15
29.19		8.02
5.6.54	S <sub>0</sub> - 2, 1 x 10 =	21, 0
35.42	"S <sub>0</sub> - 3, 0 x 6 =	18, 0
37.15-	"A <sub>0</sub> - 5, 0 x 24 =	120, 0
22.48 W		159.0
		039.60
		2
		3.49-36-
		1.34.53
		3.35.42

light breeze from S.W.  
- and clear weather =



Oct 16 = at 3.15 P.M.  
 3.24.25 - alt 26.26 8.28 28.26 = 89.4  
 15- 5-2.4

3.24.10  
 1.29.31

4.53.47  
 3.20.43  
 1.32.58

203.0 14.30

Lo - 2.2 x 26 - 17.2

Do - 3.1 x 26 - 86.8

AO - 5.0 x 26 - 130.0

274.0  
 034.60

37.0  
 8.2

28.38

28.20

3.29.18  
 - 4.34

3.34.44  
 14.07

3.20.43

Light Wind from SE  
 Clear atmosphere here  
 Pluma

15- 15-  
 2 3.2.7

Oct 16 at 3.35 P.M.

Do 8.50 28.00

3.15.18 alt 28.14 8.50 28.00 = 89.4  
 15- 5.4

3.16.03  
 1.29.43  
 4.44.46  
 3.10.57

1.33.49

203.0 27 W =

Lo - 2.4 x 00 - 2.4

Do - 3.2 x 50 - 166.0

AO - 5.1 x 14 - 71.4

233.8  
 053.60

28.0

3.29.18  
 - 3.53

3.25.11  
 14.2

3.10.57

very light Wind 3  
 and clear weather Sen-na



1913

101

= October 17 at 3.26 89.48

$$3.08.12 \text{ at } 29.08 - 49.12 = 1421.21 = 83.06$$

$$07.57 \text{ } L - 2.6 \times 21 = - 5.46$$

$$29.64 \text{ } D - 3.2 \times 12 = - 38.4$$

$$07.51 \text{ } A - 5.1 \times 1 = - 26.6$$

$$6.49 \text{ } 118.5$$

$$1.02 \text{ } 05.8$$

$$2.45.30 W$$

$$35.42$$

$$9.09$$

$$27.33$$

$$1.2$$

$$27.21$$

$$3.23.20$$

$$- 1.68$$

$$3.27.22$$

$$14.33$$

$$3.06.49$$

fresh breeze from  
SW and clear  
Noe next Schomper in sight  
Merchantmen found fault

Oct 19 at 3.6-7 P.M. 89.48

$$38.30 \text{ at } 21.47 \text{ } L - 1.8 \times 40 = - 72.0$$

$$38.75 \text{ } D - 2.5 \times 55 = - 140.0$$

$$30.17 \text{ } A - 4.7 \times 47 = - 220.9$$

$$08.32 \text{ } 432.9$$

$$44.38 \text{ } 01.2$$

$$23.54 \text{ } 60$$

$$0.58 W$$

$$55.39$$

$$9.31$$

$$36.08$$

$$89.48$$

$$5.4.12$$

$$4.06.46 = 3$$

$$5.36$$

$$3.57.34$$

$$14.56$$

$$3.44.38$$



4-82

1913

Δ 4. (95)

October 20<sup>th</sup> at 3.5-2 P.M.  
3.25-25<sup>th</sup> 25:16 Ab=10:18 L=24:59.4  
11- 5-5-1

3.25-10	2-2.1 X 6-	12.6	34.3
1.30-29			10.1
4.55-39	2-2.6 X 18-	46.8	24.1
3.29.38	4-4.8 X 16-	76.8	24.0
1.26-07		136.2	

Long 21° 30' W

Light wind from North  
Clear weather, merchantmen  
in sight bound South

3.47.07  
- 2.16  
3.44.45  
15.07  
3.29.38

Δ 168 4. (88)

Oct 21<sup>st</sup> at 3.28 P.M. 89.4  
3.11-11<sup>th</sup> 29:18 Ab=10:39 L=22:31 5-6-2

3.10.50	2-2.2 X 31-	68.2	33.25
1.30.41			10.36
4.47.37	2-2.6 X 39-	101.4	22.49
3.12.20	4-4.8 X 18-	86.4	18

2.29.11  
22.18 W

25-6.0  
016.0  
4

3.31.5-4  
- 4.16  
3.27.38  
15.18

Fresh breezes from  
trade and clear  
2 Steamers pass bound to South  
Lewards



1913

October 22 = 1913 = at 3.22 PM

2.5-8.6-0 alt 32.32 - Ab = 11.01 Lat 21.17 = 89.48  
5-7.34

5-8.30  
30.6-2  
29.2-2  
5-8.15-  
37.07

S - 2.4X 17 = 40.8

D - 3.8X 1 = 2.8

Ab - 4.8X 32 = 153.6

3.16.6-8  
- 3.17

2.46.48-W

197.2  
017.2  
3

3.13.41  
15.26

Fresh breeze from  
Trade clear atmosphere  
Caught a bull whale  
Several

2.58.15-

5-2 11000 5-4 144

October 24 at 3.32 PM

89.48

15.00 alt 30.00 Ab = 11.43 = S = 19.38 = 37.58  
11.18

14.48  
31.15- S - 2.1X 38 = 79.8  
16.00 D - 2.4X 43 = 103.2  
2.15- Ab - 4.7X 00 = 49.7

20.40

3.5-5-  
13.28 W

187.7  
417.00  
3

89.48

58.29

31.19

11.39

19.40

3.30.6-4  
3.04

Calm with light breeze  
Finished buckling

3.27.47  
18.42

3.92.05



Δ 90 Δ 12

Oct 25 = 3<sup>h</sup> 26 PM

3.20.18 at 29.19 Δ 62 12.04 = Δ 18.17 = 89.4

3.20.18  
1.31.27  
4.52.10  
3.17.15  
1.34.55

2-2, 1x 17- 35, 4  
3-2, 3x 4- 9, 2  
4-4, 4x 19- 89, 3

30.38  
12.00  
18.38  
18.17

2/3.44 West

Moderate Wind  
from Trade Sane Cols Steamers  
bound to N & SW =

3.35.19  
- 2.14  
3.3.05  
15.5-0

Course SW by S 1/2 S = best - 101 miles to St Nicola's  
Δ = at 3.33 PM = 12 =

3.77.15

at Varava x Wrenbury \* 6 at 3.07 PM

3.38.58 at 38.5-6 Δ 62 15.57 Δ 2 44.40

3.38.43  
27.40  
4.06.23  
2.30.06  
1.36.17  
2.40.04

2-2, 6x 17- 148, 2  
3-2, 7x 5-6- 15-1, 2  
4-4, 8x 40- 192, 0  
3.38.43 = 491.24  
29.03 = 0.1.16  
4.07.45  
2.30.06  
1.37.40 24.25-

2.54.3  
- 8.1  
2.46.2  
16.1  
2.30.06

Waltham



Problem

Prava

at 3<sup>h</sup> 09 PM

35.07 Alt 38.20 S 15.57 - East 14.40  
15-

85.46 10 - 2.4 x 40 - 108.0  
33.23 20 - 2.5 x 57 - 148.2  
09.09 10 - 4.8 x 20 - 96.0  
32.25  
6.44

35-2 2  
05-2 160  
5-

15-15-  
9 9

24 24

24.17  
24.17  
00.17

2.48.42  
- 1.5.6-2

2.48.42  
1 6.17  
2.32.25-

35.46  
34.16  
10.02  
22.25-  
37.37  
24  
244

15-30  
9  
24.30

35.46  
33.45  
09.32  
32.25-  
37.07 24.17

= Fe

15-15-  
24.17

1.37.07  
5-4

1.38.01  
2.35.46  
1.48.30

3.38.43  
28.42  
07.25-  
30.06  
37.19 = 24.20

W

15-45-  
12 13  
27.58

2.24.16  
2.32.25-  
1.57.58



November 4 at 3<sup>h</sup> 37 PM  
 4. 29. 15 at 29. 25 = 46. 16. 15 - 12. 35 (89 4)

$$\begin{array}{r}
 4. 28. 45 - \\
 23. 40 \text{ So} - 2. 1 \times 35 - 73. 5 - \\
 4. 5. 4. 25 \text{ D} - 1. 9 \times 15 - 28. 5 - \\
 3. 19. 15 \text{ So} - 4. 6 \times 25 - 119. 5 \\
 \hline
 1. 38. 10 \\
 24. 32 \text{ W.}
 \end{array}$$

$$\begin{array}{r}
 221. 6 \\
 041. 60 \\
 \hline
 3
 \end{array}$$

$$\begin{array}{r}
 60. 4 \\
 29. 0 \\
 16. 7 \\
 \hline
 12. 45 \\
 12. 35 \\
 \hline
 3. 39. 10 \\
 - 3. 41
 \end{array}$$

$$\begin{array}{r}
 3. 35. 29 \\
 16. 14 \\
 \hline
 3. 19. 15
 \end{array}$$

$$\begin{array}{r}
 3. 19. 15
 \end{array}$$

November 9 at PM 89. 4

$$\begin{array}{r}
 46. 16. 46. 30 = 43. 9. 06 \\
 3. 35 - 5 - 7. 07 \\
 15. 50. 05 - 21. 57. 02 \\
 23. 5 - 1. 59
 \end{array}$$

$$\begin{array}{r}
 27. 3 \\
 16. 3 \\
 \hline
 11. 0 \\
 10. 4
 \end{array}$$

$$\begin{array}{r}
 89. 16. 16. 6 = 20. 1. 00 \\
 1. 00 \\
 16. 05. 67 1. 00. 5
 \end{array}$$

$$\begin{array}{r}
 89. 4 \\
 63. 5 \\
 25. 8 \\
 16. 4 \\
 \hline
 09. 0
 \end{array}$$



November 9 at 3.5-1 P.M.

28° 02' alt 29° 05' Ab = 16° 50' Batt 8° 48' =

20

27° 42'

35° 19'

3° 07'

4° 14'

5° 44'

L-1, 8 X 48-

86, 4

3, 46, 38

- 3, 16

D-1, 5 X 50-

95, 0

3, 43, 22

16, 05-

Ab-4, 4 X 8-

35, 2

3, 27, 17

796, 6

010, 6

3

23° 56' W

Light N & W wind clear weather  
Saw Finches & Juncos

Nov 10 = at 4.05 P.M.  
37° 17' alt 27° 26' = 26° 17' 07' Batt 6° 50' =

37° 02'

35° 33'

2° 34'

38° 03'

4° 31'

L-1, 7 X 50-

85, 0

D-1, 2 X 7-

8, 4

Ab-4, 3 X 26-

111, 8

205, 2

026, 2

89, 48

65, 34

24, 11

17, 04

07, 04

16

6, 5-1

3, 57, 29

- 3, 28-

3, 54, 04

16, 01

3, 38, 03

23° 38' W =

Modest breeze from the  
Trade and clear weather  
Cloudy in morning



November 12 at 4<sup>h</sup> 10<sup>m</sup> P.M.

Lat 3° 54' 31" alt 23. 12 Dec = 17° 44' Lat 5° 58' =

3. 54. 31

1. 35. 58

5. 33. 14

3. 57. 30

1. 35. 44

2/3. 5-6 W.

S- 1. 6 X 58 = -

D- 1. 0 X 44 = -

A- 4. 3 X 12 = -

92. 8

44. 0

57. 6

185. 4

005. 3

89. 4

66. 0

23. 4

17. 3

05. 0

4. 15. 23

- 3. 05

4. 13. 18

15. 48

3. 57. 30

Very light Wind from  
SE and Squally  
Schooner in sight to  
Leeward - June

November 13 - at 3. 50 P.M.

89. 4

65. 1

Lat 3. 32. 00 alt 29. 13 Dec = 17. 57 Lat 5. 30 =

1. 36. 11

5. 08. 11

3. 31. 53

7. 36. 18

24. 04. 30 W

S- 1. 7 X 30 = -

D- 1. 2 X 57 = -

A- 4. 3 X 13 = -

51. 0

68. 4

55. 9

77. 3

05. 52. 60

23. 32

17. 54

05. 37

3. 58. 23

- 3. 58

3. 47. 32

15. 39

3. 31. 53

A Light Wind from SE<sup>2</sup>  
and near sunset some  
a vessel to Stern of us =  
Senna



Sum for 15<sup>th</sup> Feb =  
3.48.24 at 36.55 = 318.28 3.30.00

10.22  
36.37 So - 1.9 X 0 = - 1.9  
45.59 H - 1.4 X 28 = - 39.2  
03.24  
43.32 Che - 4.4 X 36 = - 154.0

195.1  
154.0  
3

25.53 West-

fresh E. Wind

89.48  
67.09  
22.39  
18.10  
04.29.4  
89.48  
68.09  
21.39  
18.25  
03.14  
3.22.03  
- 3.16.5  
3.18.48  
16.21.  
3.03.27

November 16 at 3.58 PM.

3.49.20 at 39.28 = 34.18.43 = 1.37 = 89.48  
15-  
49.05  
36.5-0 L - 1.6 X 37 = - 59.2  
25.5-5 H - 0.9 X 43 = - 38.7  
37.04 Che - 4.3 X 28 = - 120.4  
48.5-7 15-13 218.3  
12 038.00  
27.13 3

17.13

89.48  
69.17  
20.31  
18.40  
1.5.1  
14  
1.37  
3.55.52  
3.38  
3.52.14  
13.10  
3.37.04



1913  
November 17 at 4.55 PM. 89.4  
100.30

3. 6-20 = 33  
1. 37 = 3

5 27 0 3 0  
3 35 2 18

7-5-24 18

8-14 678 - 12,8

11-03 8x 58- 46, 4

⑦-4, 3 X 25 - 1128

171, 0

05-1 Nov  
2

Aug 28: Phu Tho

9 Fresh breezes from trade clear weather

1913  
November 18 = at 3.15 PM  $\frac{89.4}{71.4}$   
19.0

3.49.5-1 att 32.10 LG=19.13 dz=9.14.10  
16- 17.11  
110

3.49.36  
1.37.16

5-2 5-57  
3-29-13)

1.57.38

Lo-1, GX 14- 22.4

8-0,9 X 13- 11,7

$$40 - 4,3 \times 10 = \frac{43,0}{1}$$

18-18-  
14 7

$$\begin{array}{r} 771 \\ 771 \overline{) 5952} \\ \underline{5538} \phantom{00} \\ 4140 \phantom{00} \\ \underline{4038} \phantom{00} \\ 1020 \phantom{00} \\ \underline{1020} \phantom{00} \\ 0 \phantom{00} \end{array}$$

14 7  
 29.24  
 29.24

Fresh breeze from S.E. clear  
Weather



Nov 19 at 3.32 P.M.

Lat 38° 00' Long 19° 27' S alt 2455-

31.34 =  
15-

31.19  
37.29

8.48

7.21

1.27

0: 2 1/4

Lo + 1.6 x 55-+ 88.0

So - 1.0 x 27- 27.0

Co - 4.3 x 00- 4.3

37.3  
5-6, 7

89.48

73.08

154.40

19.258

2.45-

1.0

2.55-

3.20.59

+ 5-6

3.21.55-  
14.34

3.07.27

Strong breeze from SE  
and clear weather  
Sunset

Nov 20 at 3.43 P.M. 89.48

Lat 36° 35' Long 19° 41' S alt 435-

44.20  
37.42

21.47

16.15

5-3 2

21.23 W

Lo + 1.5 x 35-+ 52.5

So - 0.7 x 41- 28.7

Co - 4.3 x 35- 154.5

183.5-

131.0

011.60

89.48

74.37

154.17

19.38

04.21

1.4

4.35-

3.32.44

- 2.11

3.30.36  
14.21

3.16.16-

Moderate Wind from  
SE and clear weather  
Sunset



November = 21 - at 3.32 =  
 Ch 3.43.30 Alt 38.17 N 19.54 Lat 5.42 89.4  
 16- 76.2

3.43.15- L + 1.4 X 42 + 58, 6  
 1.37.55- D - 0.6 X 54 - 32, 4  
 5.21.10 No - 4.2 X 7 - 29, 4  
 3.13.02  
 2.08.08 61, 8  
 03, 2

Long 32.02 Moderate Wind from  
 SE and clear Weather  
 Sunny

13.2  
 19.5  
 06.2  
 3.27.10  
 - 3  
 3.27.07  
 14.05  
 3.13.02

November 22 = 4.00 89.4  
 Ch 4.14.20 Alt 31.31 = 16.20.03 Lat 9.10 = 78.31  
 16- 17.17  
 2.0.05

4.17.05- L + 1.3 X 10 + 13, 0  
 1.38.03 D - 0.1 X 8 - 0.8  
 5.55.13 A - 4.3 X 31 - 133, 3  
 3.44.52  
 2.10.21 134, 1  
 127, 1  
 007 160  
 2

32.036 Wet

Sunny

17.17  
 2.0.05  
 08.48  
 2.2  
 9.70  
 4.0.04  
 - 2.0  
 3.58.4  
 13.06  
 3.44.06



November 23 at 5.45 AM. 89.48

4.57.16 alt 37.25 Sb=20.20 Lat 11.44

6-7.40  
8.21  
6.09  
3.09  
2.52  
3.13

L+ 4.2 x 44 +  
D- 0.1 x 20 -  
Ob- 4.3 x 25 -

5-2.8  
2.0  
111.8  
113.8  
61.8  
0.1

89.48  
80.6-0  
08.68  
20.18  
19.20  
24  
17.44  
3.37.44  
-1.01  
3.36.43  
13.34  
3.23.09

Fresh breeze from SE  
clear atmosphere  
Sunna

November 24 at 3.50 89.48

4.17.45 alt 34.13 Sb=20.32 Lat 13.24

17.30  
38.34  
5.50.4  
39.12  
16.52  
34.13

L+ 1.1 x 24 + 26.4  
H+ 0.2 x 32 + 6.4  
Ob- 4.3 x 13 - 1.6.9

2.13  
4  
34.13  
32.8  
23.1

89.48  
82.25-  
07.23  
20.30  
13.07  
3.52.52  
-2.3  
3.5-2.29  
1.3.14  
3.39.12

Fresh breeze from SE  
and clear atmosphere  
Sunna



November 25 at 3.39 PM

Obs 4.11.13 at 36:32 N 20:44 E 13:41 = 89.4  
20 82.5

4.10.53	$\times 8 + 1.1 \times 41 +$	45-1	0 60 53
1.38.47			20.42
5.47.40	$\times 8 + 0.1 \times 44 +$	4.0	13.57
3.30.02	$\times 10 - 4, 3 \times 32 -$	137.6	10
2.19.38		49.1	13.41
34.15.41/2	fresh breeze from	88 5-	3.44.21
	bad clear weather	28 (6)	- 1420
	<u>Summa</u>	1	3.43.01
			12.57
			3.30.02

# Nov 26 = 4 3.48 PM 89.4

Obs 4.14.45 at 36.11 N 20:56 E 14:24 89.4

4.14.50	$\times 8 + 1.1 \times 24 +$	26.4	0 6.4
1.37.10			20.5
5.5-3.30	$\times 10 + 0.2 \times 56 +$	11.2	14.0
3.32.37	$\times 10 - 4, 3 \times 11 -$	47.2	
2.20.53		37.6	3.45.27
		09.7	- 19

avg 35.0 13/4

Fresh breeze from SE 3.45.18  
clear & sunny 12.41  
Summa 3.32.37



Number 27 at 3.46 P.M.

4.04.2 sett 38-57-25-21-0 0.4-16-13-89.48  
15-84.42  
0.410  
39.13 L+1.0X13+ 13.0  
43.23 D+0.3X7+ 2.7  
23.10 A-4.3X57-2465.1  
20.13 15.1  
mg 35.03 W 230 0.50 (6) 3.35.38  
Fresh frozen from 3.23.10  
S.E. Cloudy Weather to 3.23.10  
Soul not lower the water  
to liquid in the latter

Number 30 at 4.11 P.M. 89.48  
36.04 all 30-30 26-21-0 39-16-50 85.06  
15-04.42  
35.49 L+1.1X5-0+ 1-65.0  
39.52 D+0.5X39+ 19.5-  
5-41 A-4.3X30- 129.0  
1-34 74.5-  
4-07 5-42.5-  
33.32 West 4.12.5-2  
17.18  
4.01.34

Very strong wind from S.E.  
rough sea on



December 2<sup>nd</sup> at 4.10  
 4.17.25 - alt 35.10 to 21.57 Lat 16.18 89.4  
 15- 84.1

4.17.10	L + 1, 1 X 18 +	19.8	0 5.3
1.40.08	L + 0, 4 X 57 +	22.8	21.5
5.57.18	A - 4, 3 X 10 -	43.0	16.18
3.41.40			
2.15.38			
3 3.5-4 1/2	33.5-4	42.6	3.5-2.74
		00.4	1.0-3.12
			3.41.40

Moderate Wind from South  
 heavy swell

December 4<sup>th</sup> at 2.27  
 4.3.45.2 alt 43.17 Lat 16.30 89.4  
 15- 84.1

3.45.37	L + 1, 1 X 30 +	33.0	89.4
1.40.44	L + 0, 1 X 14 +	1.4	84.1
5.26.21	A - 4, 3 X 17 -	73.1	5.3
3.07.39			22.0
2.18.42			1.6-2.8
	30.30	34.4	
	4.10	38.9	
	34.40		

Strong 34.4 off

Moderate Wind from  
 SE Clear Weather  
 two merchant men in sight  
 from South

3.18.02	16.34
3.8	
3.17.24	
6.45	
3.07.39	



1913

June 5 - 8.5-3 A.M.

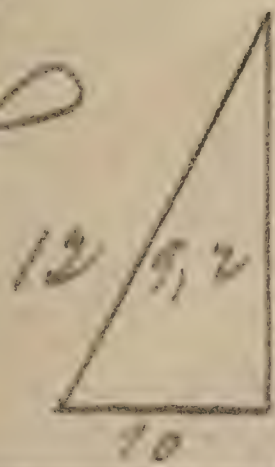
08.15 - alt 42° 24'  $\Delta = 22.20$  Lat 16.82 = 89.48  
 15 - 83.37

08.00  $\Delta + 1.1 \times 2 + 2.2$   
 40.8-7  $\Delta + 0.1 \times 20 + 2.0$   
 48.8-7  $\Delta - 4.3 \times 24 - 103.2$   
 29.49  
 19.08

06.11  
 22.21  
 15.10

24:47 = W  
 10 W

H = 57 W  
 at noon



SW 52° 7'

Fresh Wind with  
 Equally rough sea on

3.32.21  
 - 1.39  
 9.20.42  
 12.00.00  
 8.39.18  
 9.29

8.29.49

Sec 26 - at 8.5-5-AM  
 09.33 alt 42° 16'  $\Delta = 22.28$  Lat

09.18  
 20-  
 20-  
 20-

alt 15:23.5  
 35° N 20 W S. Sec  
 Long fresh breeze from  
 Equally rough sea on

89.48  
 83.32  
 16.16  
 22.29  
 16.13



at 8<sup>h</sup> 35 AM

9.04.34  
16-

at 41.02 16.22.34 16.10

9.04.19  
4.41.23  
10.45.42  
8.24.31  
2.21.11

35.18

L + 1.1 x 10 +  
S + 0.2 x 34 +  
B - 4.3 x 2 -

11.0 3.25.4  
6.8  
846 3.25.4  
12.00.0  
17.8  
9.2 8.33.11  
8.40  
8.24.31

fresh breeze with rain  
and squally weather  
Denna

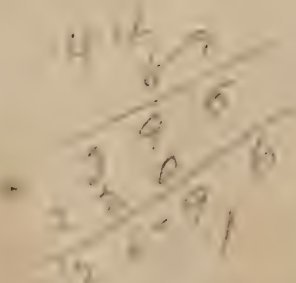
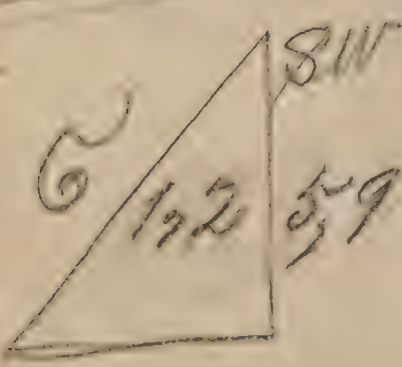
9.20.45 at 45.00 16.22.42 = 16.48  
at 8<sup>h</sup> 43 AM  
16.42

9.22.30  
4.41.23  
11.01.53  
8.41.35  
2.20.17

33-04

L + 1.1 x 42 +  
S + 0.0 x 42 +  
A - 4.3 x 00 -

46.2  
4.2  
4.3  
3.10.10  
12.00.0  
8.49.50  
8.14  
8.41.36



true 8.8.09.28 16.22.41 48.3  
4.31 1.00  
22.42.48  
22.41.44

Course steered to N on S by W 8.13.55



30  
5-

L m 3 Dec-9- at 3:54 PM

19.76 alt 36:32 Lb=24.49=18.24 89.48  
10- 84.17

19.07	L + 1.1 X 16 +	17.6	0 5.37
41.36	D + 0.4 X 22 +	8.8	22.47
20.37	Ob - 4.3 X 32 -	137.6	77.18
39.59			31.49.26
0.38		26.4	- 1.51

11 1 2  
05-1 2

mo. 35:09.30 W

Very light wind from  
SW and clear atmosphere  
Sunset

89.47.36-  
7.36  
89.39.59

L m 4 December 14 at 3:48 PM  
20.30 alt 36:40 Lb=23.40=18.26 89.48  
15- 84.20

20.18	L + 1.2 X 16 +	31.2	0 5.28
42.01	D + 0.5 X 22 +	0.5	22.64
02.16	Ob - 4.4 X 40 -	176.0	77.26
42.56			89.48

19.20	30 5-	3 1.27	04.48
35.05	5- 5-	12 42 3	23.00
	3 5-	02 4 00	78.12
		2	14
	3.48.38	3.51.02	78.26
	6.42	- 2.24	
	3.47.56	3.48.38	

Moderate wind  
clear



$\begin{array}{r} 36.16- \\ 6.10 \\ \hline 36.25- \end{array}$ 
 Dec 18 = 4<sup>h</sup> 04 PM

4.29.35- alt 36.13 ~~23.10~~ ~~18.32~~ 89.4  
 15- 85.08

$\begin{array}{r} 4.28.20 \\ 1.4.2.26 \\ \hline 5.7.8.46 \\ 3.4.5.03 \\ \hline 2.25.43 \\ \hline 36.25- \end{array}$

$\begin{array}{r} S + 1.2 \times 32 + 38.4 \\ D + 0.5 \times 10 + 5.0 \\ B - 4.4 \times 13 - 57.2 \\ \hline 36.16- \\ 6.10 \\ \hline 36.25- \end{array}$

$\begin{array}{r} 04.40 \\ 23.04 \\ \hline 78.24 \\ 85.48 \\ 85.77 \\ \hline 04.37 \\ 23.09 \\ \hline 18.38 \\ 6 \\ \hline 18.32 \\ \hline 3.44.52 \\ 3.45.03 \end{array}$

Young =

$\begin{array}{r} 3.57.02 \\ - 73 \\ \hline 3.50.49 \\ 3.46 \\ \hline 3.44.52 \\ 3.45.03 \end{array}$



Dec = 14 = at 4<sup>h</sup> 10<sup>m</sup> PM  
 43.38 at 32.45 - 16 = 23.13 - 2.13 = 28.48  
 18 - 85 = 05

43.23	2 + 1, 2 x 25 +	33.5	0 4. 43
42.39			23. 13
26.02	2 + 0, 5 x 13 +	7.8	18. 30
00.34			
25.28	4 - 4, 4 x 45 -	202.4	= 4.08.32
			- 2.41

avg = 35.22

fresh breeze from  
 Trade from Weather  
 Sunna

41.4  
 15 1.0  
 04 1.60  
 2

4.0 5.5-7  
 5.17  
 4.00.34

December 15 (4.10) 89.48  
 40.40 at 33.02 - 16 = 33.17 - 18.39 85.04  
 18 -

40.25	2 + 1, 2 x 29 +	34.8	0 4. 41
42.6-2			23. 16
23.17	2 + 0, 5 x 14 +	8.5	18. 35-
39.5-5-	4 - 4, 4 x 2 -	8.8	
23.22			

5.5-0

Strong breeze  
 from Trade from

43.3  
 34.6-

4.04.10  
 + 34

4.04.44  
 4.49

Sail Merchant men bound to  
 SW = Soul a School by Small  
 Whale going quick to the wind  
 No Chance



September 18 at 3.54 P.M.  
 Alt 28.30 Off 26:13 L 23:24 Co 18:27

4-28.15-	L + 1.2 x 27 +	32.4
1.43.29	D + 0.5 x 24 +	12.0
5.11.44	Ho - 4.4 x 13 -	57.2
3.47.28		<u>44.4</u>
2.24.16		12.8

3.57.00  
 - 12.8  
 3.50.55  
 3.22  
3.47.28

36.04 From trade clear  
 Weather



at 4<sup>h</sup> 03 PM

See 117

4.33.13 at 34.362 22.25-18.25-

1.43.17

5.16.30 + 1.2x25- + 30,0

3.15.40 + 0.5x22+ 11.50

2.22.30

4.4x36- 152,4

3.6-9.47

35-37

41,0

- 1.5-4

30 30  
5 4

117,4  
05-7

3.6-7.5-0  
3.6-10

36.37

1 3.6-4.50

4.22.21.24  
36

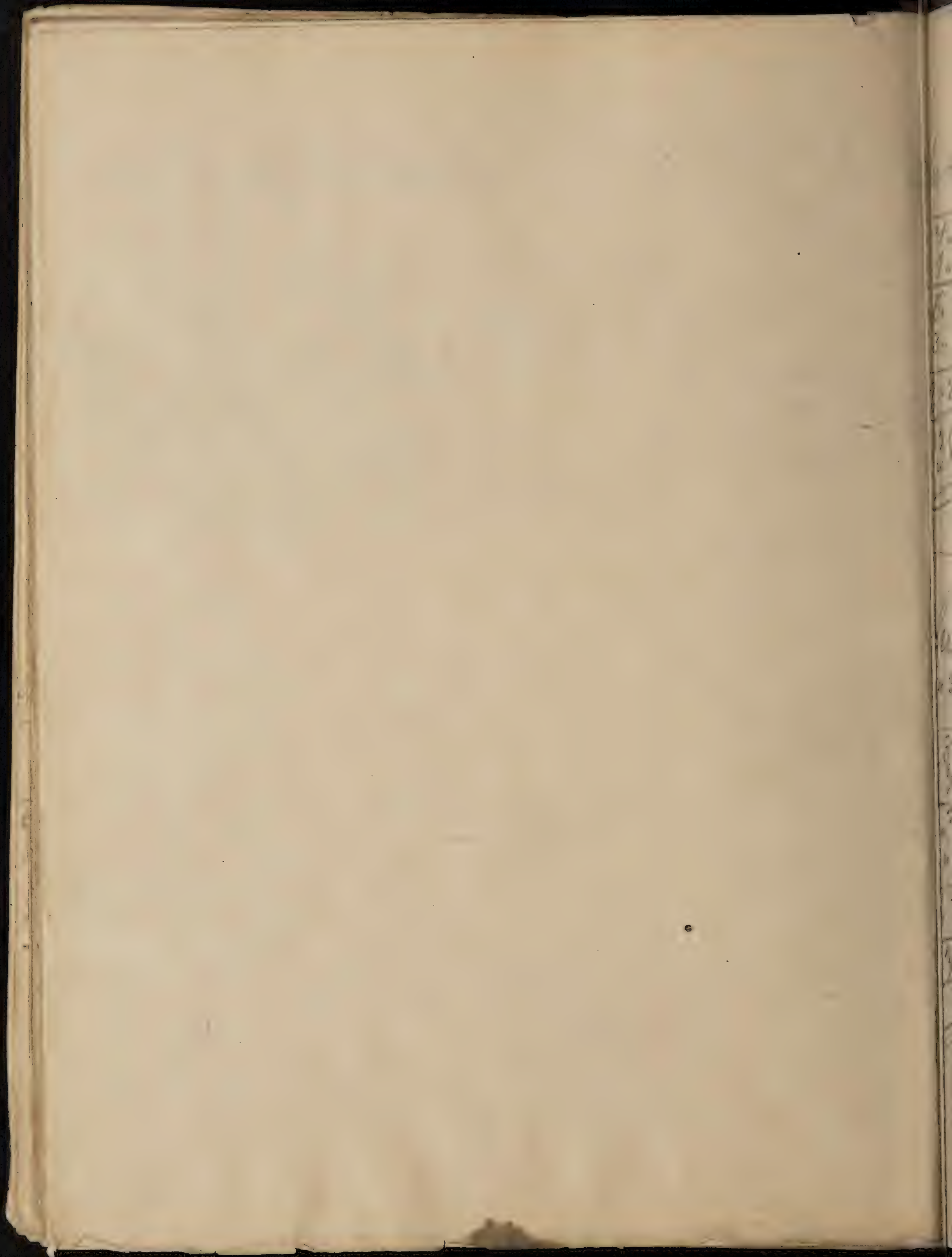
23.22.00

2.2.5-7.5-7  
2.3.2

3.5-0 2.5-6

36  
12276  
1336







- December 19 - at 3.51 PM.

4.26 5-5 alt 36:38 = 46.23.25 alt 78:31

4.26 35-

1.43.42

5.10.17

46.14

24.03

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

36:00.45-

L + 1, 2 x 31 +

34.2

L + 0, 5 x 26 +

13.0

Ob - 4, 4 x 38 -

167.2

5-0 2

117 0

0.5-7 100

1

3.49.05-

2.5-1

3.46.14

Calm all day

December 20 at 4.4 PM.

alt 34.34 H=23:25 L=18.319

36.5-3

36.38

43.55-

20.33

55.56

24.47

36:09

36:09

36:09

36:09

36:09

36:09

36:09

36:09

36:09

36:09

36:09

36:09

36:09

L + 1, 2 x 39 +

46.8

L + 0, 5 x 27 +

13.8

Ob - 4, 4 x 34 -

149.6

60.3

89.3

29.6

29.6

29.6

29.6

29.6

29.6

29.6

29.6

29.6

29.6

29.6

29.6

3.59.47

- 1.29

3.58.18

2.22

3.55.46

Dead palm all day



Dec 21<sup>st</sup> at 3.47 PM 89 48  
 4 33.25 - All 35.00 Dr 23.27 18.20 84.41

4.33.70  
 1.44.07  
 5.17.14  
 3.5.2.42  
 2.24.35-

B + 1.2 x 20 + 24.70  
 D + 0.5 x 27 + 13.5-  
 A - 4.4 x 20 - 88.0  
 3 9  
 3 7.5-  
 5-0, 5-

05.07  
 23.27  
 78.20  
 3.5-5.24  
 - 50.  
 3.5-4.34  
 1.5-2  
 3.5-2.42

36.09 West Sea calm all day  
 Dought large whale

Dec 22<sup>nd</sup> at 4.06 PM 89 48  
 4.46.35 - All 32.46 Dr 23.02 18.20 84.5-4

4.46.20  
 1.44.20  
 6.30.40  
 4.04.35-  
 2.26.05-

B + 1.2 x 25 + 31.2  
 D + 0.6 x 27 + 16.2  
 A - 4.4 x 46 - 202.4  
 4 7.4  
 15.5-0  
 036-20  
 2

04.5-4  
 23.27  
 18.33  
 44.08-3.2  
 - 2.33  
 4.05-5.2  
 7.22  
 404.35-

36.03  
 36.31



Wednesday

1913

127

L m s Dec 24 = 3<sup>h</sup> 43<sup>m</sup> 59.48  
4.20.35 alt 38.19 - 26-23.26 alt 18.33 85-0.5-

4.20.20

1.44.48-

5.06.08-

3.41.20

2.3-45-

35.056

L + 1.1 x 33 + 36.3

D + 0.4 x 26 + 10.4

A - 4.4 x 19 - 83.6

38.48- 46.7  
11 36.9

35.56

84.43

23.27

18.44

89.48

84.59

04.49

23.26

18.34

Strong Wind from NE  
clear weather, two merchant  
men bound to SW

3.42.18

- 36

3.47.42

22

3.41.20

L m s

Dec 24 at 8<sup>h</sup> 11<sup>m</sup>

3.47.00 alt 36.44 - 26.23.21 = Lat 18.30-

46.45-

48.23

32.08

12.34

79.34

34.53

L + 1.2 x 20 + 24.0

D + 0.5 x 21 + 10.5

A - 4.4 x 44 - 193.6

30.48-

4 8

34.53

34.5-12.0

15-9.1

035 (60

2

3.57.02

- 2.39

3.48.23

8.11.37

57

8.12.34



4.43.30 at 32°42' 2623.20 Lat 18:28 89.48  
 15- 84.49

4.43.15- B + 1.2 x 20 + 24.0 04.59  
 1.45.23 D + 0.6 x 20 + 12.0 23.21  
 6.28.38 C - 4.4 x 42 - 184.8 18.22

4.07.13 30.15- 36.0  
 2.21.25 5-6 148.8  
 35.21 38.21 028.60  
 2

Long Light-Southerly  
 Wind and clearing  
 4.06.04  
 1.09  
 07.13

4.39.04 at 34°5-2 2623.15 Lat 18:14 89.48  
 15- 84.5-2

4.38.49 L + 1.2 x 14 + 16.8 04.6-1  
 1.45.48 D + 0.5 x 15 + 7.5- 23.78  
 6.24.37 A - 4.4 x 52 - 228.8 18.27

3.5-8.31 30.30 204.3  
 2.26.06 6 1 204.5-  
 36.31 36.31 024.60  
 3

36.31 Moderate Wind  
 from the SE clearing  
 Weather Sun a Steamer bound  
 to Newcastle  
 3.5-6.23  
 2.08  
 3.5-8.31



December 30 24.20 8548

4.57.13 alt 30.4 23:11 1816 84.48

4.56.58	2+1, 2 x 16+	19.2	5.0 0
7.46.07	2+0, 6 x 71+	6.6	23.1 2
6.42.5-9	6-4, 4 x 45-202.4		7.8.1 2
4.17.07			

25.58	30 15	25.8	4.17.19
	6 14	17 6	- 2.5.8
36.29	3 6.29	05.6	4.14.23
		2	2.3.8

fresh breezes  
from SE clear 4.17.01  
Weather same School of  
Small Whales doing some  
December 31



1913

h w d d w 3 1/2

Obs 4.19.51 at 39.13 DB=23:07 Lat 18.218 5-1107  
15- 89.48

H 19.36 S + 1.1 x 21 + 23.7  
1.46.13 S + 0.4 x 7 + 2.8

6.05.49 A - 4.3 x 13 - 5.5.9  
3.40.32

2.25.17 36.15 30.0  
36.19

36.19 W

Light wind from  
SE and clear

3.34.26  
3.00.6  
3.40.32

January to

89.48  
85.0  
04.4  
23.0  
18.419







(Waltham) 1913 (Frodoham)

Computation = January 11<sup>th</sup> - Corrected =  
 Waltham lying 4<sup>s</sup> and Frodoham ~~12.5~~ 13.1

January 30 =	Waltham East of Frodoham	21	seconds
Jan Feb. 5 -	" " " "	34	"
" 10 -	" " " "	39	"
Feb 25 -	" " " "	42	"
March 2	" " " "	39	"
March 15	" " " "	7	"
" 19	" " " "	17	"
March 23	Frodoham East of Waltham	1	"
May 15 =			



$$5 \ 13.09.40^1 = W \ 13.22.43$$

$$36^{\circ} \ 03$$

$$23.21$$

$$13.45.43$$

$$13.46.04$$

$$13.46.04$$

$$00.00.21 \text{ East to Westward}$$



1913

Compare Dec 8 = 1913

$$W = 10.40.35 = \text{Ed} = 9.27.10$$

$$\begin{array}{r} 27.54 \\ \hline W = 11.08.30 \end{array} \quad \begin{array}{r} 1.41.23 \\ \hline G = 11.08.33 \\ \hline I \end{array}$$

Compare Dec 13 = 1913

$$\begin{array}{r} I 10.5-5.40 \\ 1.42.26 \\ \hline 12.38.06 \end{array}$$

$$\begin{array}{r} W = 12.10.19 \\ 27.46 \\ \hline 12.38.17 \\ \hline 12.18.05- \end{array}$$

Compare Dec 27

$$\begin{array}{r} I 9.38.50 \\ 1.45.23 \\ \hline 11.24.13 \end{array}$$

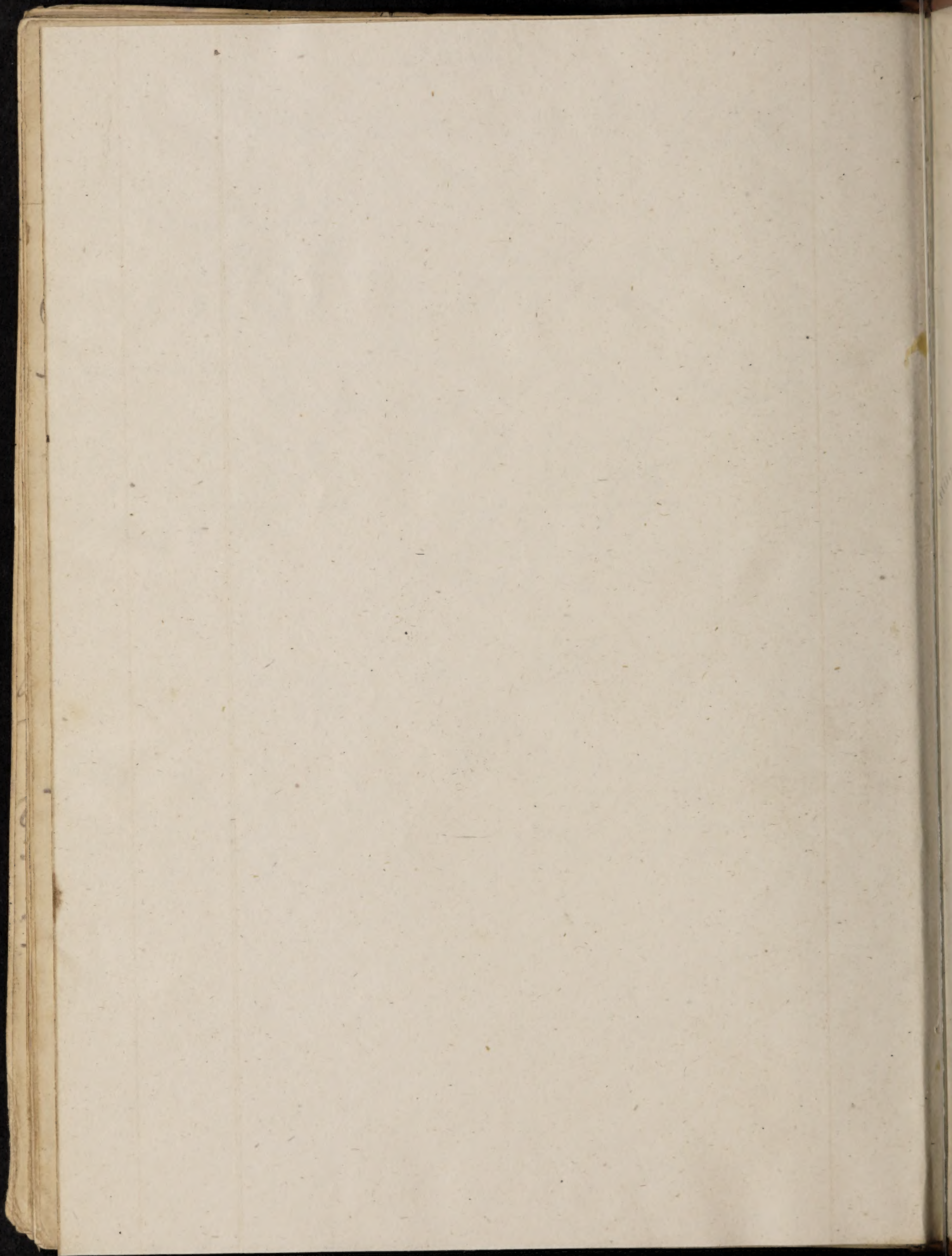
X

$$\begin{array}{r} W 10.5-6.5-9 \\ 27.25- \\ \hline 11.24.24 \end{array}$$











B<sup>o</sup> Outubro 6 de 96 -

(m)

então o marinheiro brasileiro

An Addition  
to the  
Nicholson  
Whaling  
Collection



Providence Public  
Library

Wh  
C281  
1913j



